

# RTC School Flasher Systems

Flash Cube for School or 24 Hour Flashers

**Must Add Solar Panels, Batteries, Poles, Anchors, Signs, Time Switches and Communication if Applicable**

**If you want a yellow Flash Cube enter Y**

**If you want a yellow Signal Face enter Y**

**If you want a yellow Visor enter Y**

**If you want a Red LED Enter Y**

**If you want a 24 Hour Flasher Enter Y**

PNS10-FlashCube	Black Flash Cube Includes Cabinet, LED, Signal Face, Visor and Wiring and Solar Mounting Receiver
PNS10-FlashCube-AC	AC Black Flash Cube Includes Cabinet, LED, Signal Face, Visor and Wiring and Solar Mounting Receiver
PNS10-Cube2	Add a Second LED, Signal, Visor and Mount to FlashCube
PNS10-Cube3	Add a Third Confirmation LED, Signal, Visor and Mount

## FlashCube Mounting Options

PNS10-503396	Pole Mount 4.5" OD Pole
PNS10-503396-3	Pole Mount 2 7/8 to 3.00" OD Pole
PNS10-503398	Pole Mount 2 3/8" OD Pole
PNS10-503397	Pole Mount 2"x 2" Unistrut Pole
PNS10-503396W	Wooden Pole 4x4 or 6x6

## FlashCube Solar Panel Options

PNS10-502400-20	20 Watt Solar Panel Assy incl Mount and Wiring
PNS10-502400-30	30 Watt Solar Panel Assy incl Mount and Wiring
PNS10-502400-40	40 Watt Solar Panel Assy incl Mount and Wiring
PNS10-502400-50	50 Watt Solar Panel Assy incl Mount and Wiring
PNS10-502400-65	65 Watt Solar Panel Assy incl Mount and Wiring

## FlashCube Replacement LED's

PNS10-506444MTSC	Amber Replacement Master LED W/ Regulator & Dimming for a School Flasher or 24 Hour Flasher
PNS10-506445MTSC	Red Replacement Master LED W/ Regulator & Dimming for a 24 Hour Flasher
PNS10-506444S	Amber Replacement Second LED
PNS10-506445S	Red Replacement Second LED

## School Zone Flashers

Select Cabinet, Solar Panel, Battery, IL LEDS, Signals, Signs, Poles, Time Switches and Comm. Equip. below)

**If this is a 24 Hour Flasher enter Y**

## Standard Cabinets

PNS10-503333K	One Battery Cabinet Including Panel No. 2 lock, Regulator and 4.5" Ubolt Mount 18W"x17H"x14"D
PNS10-503333HBK	One Battery Cabinet Including Panel No. 2 lock, Regulator and Hinged Mounting Bracket (All Poles Sizes) 18W"x17H"x14"D
PNS10-503333FBK	One Battery Cabinet Including Panel No. 2 lock, Regulator and Flared Bracket Mount 18W"x17H"x14"D
PNS10-503568K	Two Battery Cabinet Including Panel No. 2 lock, Regulator and 4.5" Ubolt Mount 17 1/4"x26"x17"
PNS10-503576K	Two Battery Cabinet Including Panel No. 2 lock, Regulator and Flare Mounting Bracket 17 1/4"x26"x17"
PNS10-502565K	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10"
PNS10-502564K	AC Cabinet Including Panel, NEMA Flasher, #2 Lock 4.5" Ubolt Mount 14"x16"x10"
PNS10-502565TWCK	AC Cabinet Including Panel, CUBE Flasher, #2 Lock 4.5" Flare Mount 14"x16"x10"
PNS10-SUBGUARD DC	Substitute 502598SWG DC Guardian Panel for Regular Swingout Panel, Cables and Harnesses
PNS10-SUBGUARD AC	Substitute 502505G AC Guardian Panel for Regular Swingout Panel, ables and Harnesses

#### TXDOT Approved Cabinets

Remember to add TXDOT AP22 time switch if you select TXDOT Cabinet Panel

PNS10-TXDCSZ	TXDOT One Battery Cabinet Including Panel No. 2 lock, Regulator and Flared Bracket Mount
PNS10-TXDC2BATT	TXDOT Two Battery Cabinet Including Panel No. 2 lock, Regulator and Flared Bracket Mount
PNS10-RTCAC	TXDOT AC Cabinet Including Panel, NEMA Flasher, #2 Lock Flared Bracket Mount
0	Enter \$ amt. for Custom Cabinet If Applicable

**If you want a BLACK Cabinet & Mount Enter Y and enter quantity below in Powder Coating**

**If you want a BLACK Pole Assembly Enter Y and enter quantity below in Powder Coating**

PNS10-Cab Black	Powder Coat Cabinet & Mounting Bracket Black
	Special Colors are available but take longer. Call for prices.

#### Regular Solar Panels

**Includes Top of 4.5" OD Pole Mount Hardware**

PNS10-SP20	20 Watt Solar Panel Assy incl Side Pole Mount and Wiring
PNS10-SP30	30 Watt Solar Panel Assy incl Side Pole Mount and Wiring
PNS10-SP40	40 Watt Solar Panel Assy incl Side Pole Mount and Wiring
PNS10-SP50	50 Watt Solar Panel Assy incl Side Pole Mount and Wiring
PNS10-SP65	65 Watt Solar Panel Assy incl Side Pole Mount and Wiring
PNS10-SP85	85 Watt Solar Panel Assy incl Top of Pole Mount and Wiring
PNS10-SP110	110 Watt Solar Panel Assy incl Top of Pole Mount and Wiring
PNS10-SP130	130 Watt Solar Panel Assy incl Top of Pole Mount and Wiring
PNS10-SP150	150 Watt Solar Panel Assy incl Top of Pole Mount and Wiring

**If you want to mount Panel to the shaft or Mast Arm of a Signal Pole enter Y**

PNS10-503371IRS2	Side of Pole mount cost difference for 85 - 150 W Panel
PNS10-503371IR	Iron Ridge 90 MPH Wind rated Mount cost Difference

#### Batteries

PNS10-506484-18	22 (was 18) Amp Hour Gel Cell Battery
PNS10-500645-36	36 Amp Hour Gel Cell Battery Interstate
PNS10-500645-53	53 Amp Hour Gel Cell Battery Interstate

PNS10-500645-104  
 PNS10-500645AGMI

104 Amp Hour Gel Cell Battery Interstate  
 110 Amp Hour AGM Battery Interstate

**Pole Assemblies (includes Base, Collar, Anchor Bolts and Grounding Lug)**

PNS10-POLE15SPALASSY 15' Spun Aluminum Pole, Base and Collar and Anchor Bolts  
 PNS10-Pole12 12' Spun Aluminum Pole, Base and Collar Anchor Bolts  
 PNS10-POLE20SPALASSY 20' Spun Aluminum Pole, Base and Collar and Anchor Bolts  
 PNS10-POLE15BLKASSY 15' Spun Aluminum Pole, Base and Collar and Anchor Bolts Powdercoated Black  
 PNS10- **If you want to use a Screw-In Anchor instead of Anchor Bolts select an Anchor**  
 PNS10-501312SA4 4" Anchor Pelco PB-5364  
 PNS10-501312SA8 8" Anchor Pelco PB-5375

**12" Signals (Includes Visor, closure kit and Ubolt mounting hwre)**

PNS10-SIGPY 12" Signal Heads Poly Yellow (1, 2 or 3 per flasher)  
 PNS10-SIGPB 12" Signal Heads Poly Black (1,2 or 3 per flasher)  
 PNS10-SIGAY 12" Signal Heads Aluminum Yellow (1, 2 or 3 per Flasher)  
 PNS10-SIGAB 12" Signal Heads Aluminum Black (1, 2 or 3 per flasher)

**If you want to use a Side by Side Mounting instead of Top and Bottom enter Y**

**12" LED's**

PNS10-502463 12" Amber DC 5 Watt LED IL (RTC Standard) (1, 2 or 3 per flasher)  
 PNS10-PNS-82-TSL12YLX 12" Amber AC LED IL (1, 2 or 3 per flasher)  
 PNS10-502463-8W-Red 12" Red DC 8 Watt LED IL

**8" Signals & LEDs, Includes Visor, closure Kit and Ubolt Mount**

PNS10-SIG8PY 8" Signal Heads Poly Yellow  
 PNS10-SIG8AY 8" Signal Heads Aluminum Yellow  
 PNS10-502463-8L 8" Amber 5 Watt DC LED IL  
 PNS10-506493 8" Amber AC LED

**Static Signs (Includes Ubolt Mounting Hdwre, Banding on request)**

PNS10-S1S5-1-MPH? S5-1 Speed Limit Sign High Vis Florescent Green (24"x48")  
 PNS10-501510 S5-1 Speed Limit Sign Engineer Grade Std Yellow (24"x48")  
 PNS10-501511VDOT S5-1 Speed Limit Sign High Vis Florescent Green (30"x60")

**What Speed Limit do you want on the sign?**

**If You prefer Specific Times instead of While Flashing, enter a Y and the times needed below**

Am	Pm
7:45 - 8:45	3:15 - 4:00

PNS10-S1S7-1TK Cell Phone Prohibited Sign (24"x18")  
 PNS10-S1S1-1-LGK S1-1 School Pedestrian Sign Left WITHOUT Lines (36"x36")  
 PNS10-S1S1-1-RGK S1-1 School Pedestrian Sign Right WITHOUT Lines (36"x36")  
 PNS10-S1S2-1-LGK S2-1 School Pedestrian Sign Left WITH Lines (36"x36")  
 PNS10-S1S2-1-RGK S2-1 School Pedestrian Sign Right WITH Lines (36"x36")  
 PNS10-S1S4-3P-K S4-3P "School" Sign HV Green (10"x24")  
 PNS10-S1S4-4PK S4-4P "When Flashing" Sign HV Green (10"x24")  
 PNS10-S1W11-15 W11-15 "Ped Bicycle Crossing" Sign HV Green (30"x30")

PNS10-S1S5-2K	S5-2 "End School Zone" Sign HV Green (24"x30")
PNS10-S1W16-7P24-GK	W16-7P Arrow Pointing Left to Crossing Sign (24"x12")
PNS10-S1W16-7P24-RGK	W16-7P Arrow Pointing Right to Crossing Sign (24"x12")
PNS10-S1W16-7P-GK	W16-7P Arrow Pointing Left to Crossing Sign (30"x18")
PNS10-S1W16-7PR-GK	W16-7P Arrow Pointing Right to Crossing Sign (30"x18")
PNS10-S1W16-9P-GK	W16-9P "Ahead" Sign (30"x18")
PNS10-502309	Sign Brackets ONLY (Signs come with Brackets)

**Edge Light School Zone Signs (Sign Only to add to existing battery cabinet installation)**

This line adds a Cabinet (Including Configurable Dimming and Configurable Flash Patterns), 20W Solar Panel, 22Ah Battery to ANY Edgelight© sign. Note: with one battery cabinet you can add an AP22 Time Switch, Guardian© and M2M communication to any sign from School Flasher Section. Pole Assembly also not included.

PNS10-S1ELASSY  
PNS10-S1ELS5-1-15

S5-1 Speed Limit Edge Light Sign 15MPH (High Vis Florescent Green 24"x48", 12 LED's)

**If not 15 MPH, What Speed do you want on the sign?**

**If You prefer Specific Times instead of While Flashing, enter a Y and the times needed below**

Am	Pm
7:45 - 8:45	3:15 - 4:00

PNS10-S1S1-1-LGK30K	S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (30"x30")
PNS10-S1ELS1-1-RGK30K	S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (30"x30")
PNS10-S1ELS1-1-LGK	S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (36"x36")
PNS10-S1ELS1-1-RGK	S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (36"x36")
PNS10-S1ELS2-1-LGK	S1-1 Edge Light School Pedestrian Sign Left WITH Lines (36"x36")
PNS10-S1ELS2-1-RGK	S1-1 Edge Light School Pedestrian Sign Right WITH Lines (36"x36")
PNS10-S1ELW16-7P24-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (24"x12")
PNS10-S1ELW16-7P24-RGK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (24"x12")
PNS10-S1ELW16-7P-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (30"x18")
PNS10-S1ELW16-7PR-GK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (30"x18")
PNS10-S1ELW16-9P-GK	W16-9P Edge Light "Ahead" Sign (30"x18")
PNS10-S1ELS7-1TK	Edge Light Cell Phone Prohibited Sign (24"x18")

**Time Switches**

PNS10-503644	AP22 Time Switch W/ Harness
PNS10-503644TX	TXDOT AP22 Time Switch W/ Harness
PNS10-503644B	AP22 Time Switch Without Harness
PNS10-503644BTX	TXDOT AP22 Time Switch Without Harness
PNS10-501614	AP21 Time Switch W/ Harness
PNS10-501614B	AP21 Time Switch Without Harness
PNS10-503602-D-KITDC	CPR 2102 with Pager W/ Harness (DC Cabinet mount)
PNS10-503602-D-KITAC	CPR 2102 with Pager W/ Harness (AC Cabinet mount)
PNS10-503645X	CPR 2102 without Pager W/ Harness for M2M Systems

**RTC Time Switch M2M Upgrade Program**

PNS10-AP22 UPGR	AP22 Upgrade (Board Replacement) includes 5 Yr Warranty
PNS10-AP22 UPGR	AP22 Upgrade (NO Board Replacement)
PNS10-CPR UPGR	CPR 2102 Upgrade Years 1-5 (Board Replacement) 5 Yr Warranty
PNS10-CPR UPGR	CPR 2102 Upgrade Years 1-5 (NO Board Replacement)
PNS10-CPR UPGR10YR	CPR 2102 Upgrade Year 6 and up (Board Replacement)

### Guardian Flasher Monitoring System

PNS10-Guard	DC Guardian Board with Complete 3 way Wiring Harness only (use to replace existing FCB Board and only if there is an existing functional 6 terminal regulator)
PNS10-Guard1	DC Guardian Board with Complete 3 way Wiring Harness mounted on small panel (use if there is an existing functional 6 terminal regulator)
PNS10-GuardTX	DC Guardian Board with Complete 3 way TXDOT Wiring Harness and Large Panel, includes a new 20A regulator
PNS10-Guard2	DC Guardian Board with Complete 3 way Wiring Harness and Large Panel, includes a new 20A regulator
PNS10-GuardAC1	AC Guardian (Blue Enclosure) with Complete 2 way Wiring Harness (to be wired into panel with existing NEMA Flasher)
PNS10-GuardCAR	Guardian Board to monitor a Carmanah Flasher
PNS10-507403S	Optional Door Switch for DC Guardian
PNS10-507403SC	Optional Door Switch for AC Guardian
PNS10-507403H2	DC Guardian Complete 3 Way Harness
PNS10-507403HAC	AC Guardian Complete 3 Way Harness

### M2M Systems

PNS10-M2M5YR-4K	Five Year Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna
PNS10-M2M3YR-4K	Three Year Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna
PNS10-M2M1YR-4K	One Year Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna
PNS10-M2M5YR-RE	Five Year RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage and Cell Service Plan Only
PNS10-M2M3YR-RE	Three Year RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage Data and Cell Service Plan Only
PNS10-M2M1YR-RE	One Year RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage Data and Cell Service Plan Only
PNS10-M2M1MONTH-RE	One MONTH Adder to renewal plan to match existing service ONLY
PNS10-CANADA	Canadian Plans Per Year Adder
PNS10-503644	Include an AP22 with ANY Modem and Plan
PNS10-503644TX	Include a TXDOT AP22 with ANY Modem and Plan
PNS10-M2M4WA	Modem With Cable, Mount and Paddle Antenna
PNS10-M2MTSC	TSC Modem With Cable, Slide on Bracket, Antenna (Include SIM card, plan billed directly to customer)
PNS10-M2M4WOA	Modem With Cable, Mount but no Antenna
PNS10-M2MYagi	7-10 Db M2M Yagi Antenna with 15' Lead and 20" Offset Mounting Bracket
PNS10-M2MOMNI	7-10 Db M2M Omni Puck Antenna with 3' Lead and Mounting Bracket
PNS10-M2MYCBL	M2M and E2 Y Programming Cable
PNS10-506475M2	Modem Cable for 3G or 4G modem
PNS10-M2MWRTY3	Additional 3 Year Warranty on Modem to get to 5 year total Warranty

### Central R2 Radio System

PNS10-R2Master	Master 900 MHz Radio with Mounted 6dB OMNI Antenna & 50' Lead w/ Suppressor
PNS10-R2Remote	Remote 900 MHz with Mounted 10dB Yaggi Antenna & 25' Lead
PNS10-503649FACSA	AC Repeater Station (CPR2102 Time Switch, Cabinet, MH Repeater Radio, 5dB Omni Antenna, 50' Lead)
PNS10-503649FSA	DC Repeater Station (CPR 2102 Time Switch, Cabinet, Solar Panel, Battery, MH Repeater Radio, 5dB Omni Antenna, 50' Lead)

PNS10-503647DSA	Replacement Master Radio with Power Supply (No Antenna Included)
PNS10-503648DM	Replacement Master Radio without Power Supply (No Antenna Included)
PNS10-503648DSA	Replacement Remote Radio without Power Supply (No Antenna Included)

**If either Replacement Radio is a Repeater please enter a Y**

PNS10-R2ESR2	ESR 902 Serial Port Server & Cables to connect existing radio to network
PNS10-501676FM	Master Radio and ESR 902 Ethernet Switch and Cables
	<b>This LAN assembly comes with a 50 ft. antenna lead. If you need more (or less) cable, please call RTC at (800) 782-8721 for pricing.</b>

**Mobile R2**

PNS10-503646B	Two Way Mobile Radio for Vehicle w/5Db Antenna, Power Cord and Serial Cable
PNS10-R2Remote	Remote 900 MHz with Mounted 10dB Yaggi Antenna & 25' Lead

**E2 Ethernet Switch**

PNS10-503486	E2 Ethernet Switch Converter
PNS10-503486YC	E2 Y programming Cable

**Central R1 (MDS) Radio System (Existing Customers Only)**

PNS10-503646KIT	Master MDS 900 MHz Radio with Mounted 5dB OMNI Antenna & 50' Lead w/ Suppressor
PNS10-503648CKIT	Remote MDS 900 MHz Radio with Mounted 10dB Yagi Antenna & 25' Lead w/ Suppressor
PNS10-503646	Replacement Master Radio with Adapter for CPR 2102 Power Supply (No Antenna Included)
PNS10-505402	Replacement Master Radio without Power Supply or cable (No Antenna Included)
PNS10-503648C	Replacement Remote Radio without Power Supply ( for AP22 or CPR2102 Antenna Included)
PNS10-503645LV	CPR2102 with Remote MDS 900 MHz Radio with Mounted 5dB Omni Antenna and 50' Lead/ suppressor for Las Vegas Nevada
PNS10-503645E	CPR2102 with Remote MDS 900 MHz Radio with Mounted 5dB Omni Antenna and 50' Lead/ suppressor for Clark County

**If either Replacement Radio is a Repeater please enter a Y**

PNS10-501676F	Master MDS Radio and ESR 902 Ethernet Switch and Cables
	<b>This LAN assembly comes with a 50 ft. antenna lead. If you need more (or less) cable, please call RTC at (800) 782-8721 for pricing.</b>

**RTC Driver Feedback Signs**

**Power Timing and Commuincation Options**

PNS10-DFS-AC11	A/C Stand Alone Basic Driver Feedback Sign (add Time Switch, Communication Plan and Guardian Board as needed)
PNS10-DFS-DC11	D/C Stand Alone Basic Driver Feedback Sign to tie into existing D/C Power (add Time Switch, Communication Plan and Guardian Board as needed)
PNS10-DFS-DC11P	D/C Stand Alone Basic Driver Feedback Sign includes (2) 22 Ah Batteries and 20 Watt Solar Panel (add Time Switch, Communication Plan and Guardian Board as needed)
PNS10-503644B	Add AP22 Time Switch to any Driver Feedback sign
PNS10-M2M5YR-4K	Add Five Year Commuicaion Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna
PNS10-M2M3YR-4K	Add Three Year Commuicaion Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna

PNS10-M2M1YR-4K	Add One Year Communication Plan With Modem, RTC Connect™ Software, Premium "Always up" Cloud Based Data Storage, Cell Service, Cable, Mount and Antenna
PNS10-Guard	Add D/C Guardian Board with wiring harness only (use only if there is an existing functional 6 terminal regulator)
PNS10-SUB40W	Substitute 40 Watt for 20 Watt Solar Panel
PNS10-ADD22AH	Add 2 more 22Ah Gel cell Batteries

## RTC Edgelight© Signs

This line adds a Cabinet (Including Configurable Dimming and Configurable Flash Patterns ),20W Solar Panel, 22Ah Battery to ANY Edgelight© sign. Note: with one battery cabinet you can add an AP22 Time Switch, Guardian© and M2M communication to any sign from School Flasher Section. Pole Assembly also not included.

PNS10-S1ELASSY

### Edge Light School Zone Signs (Sign Only to add to regular or existing battery cabinet installation) Ubolt Mounting Hdwre included, Banding available on request

PNS10-S1ELS5-1-15

S5-1 Speed Limit Edge Light Sign 15MPH (High Vis Florescent Green 24"x48", 12 LED's)

### If not 15 MPH, What Speed do you want on the sign?

PNS10-S1S1-1-LGK30K  
PNS10-S1ELS1-1-RGK30K  
PNS10-S1ELS1-1-LGK  
PNS10-S1ELS1-1-RGK  
PNS10-S1ELS2-1-LGK  
PNS10-S1ELS2-1-RGK  
PNS10-S1ELW16-7P24-GK  
PNS10-S1ELW16-7P24-RGK  
PNS10-S1ELW16-7P-GK  
PNS10-S1ELW16-7PR-GK  
PNS10-S1ELW16-9P-GK  
PNS10-S1ELS7-1TK

S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (30"x30")  
S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (30"x30")  
S1-1 Edge Light School Pedestrian Sign Left WITHOUT Lines (36"x36")  
S1-1 Edge Light School Pedestrian Sign Right WITHOUT Lines (36"x36")  
S1-1 Edge Light School Pedestrian Sign Left WITH Lines (36"x36")  
S1-1 Edge Light School Pedestrian Sign Right WITH Lines (36"x36")  
W16-7P Edge Light Arrow Pointing Left to Crossing Sign (24"x12")  
W16-7P Edge Light Arrow Pointing Right to Crossing Sign (24"x12")  
W16-7P Edge Light Arrow Pointing Left to Crossing Sign (30"x18")  
W16-7P Edge Light Arrow Pointing Right to Crossing Sign (30"x18")  
W16-9P Edge Light "Ahead" Sign (30"x18")  
Edge Light Cell Phone Prohibited Sign (24"x18")

### Edge Light Stop Signs (Edge Light Sign Only to add to regular or existing battery cabinet installation) Ubolt Mounting Hdwre included, Banding available on request

PNS10-ELR1-1 30K  
PNS10-ELR1-1 36K  
PNS10-ELR1-1 48K

R1-1 Stop Edge Light Sign (30"x30", 8 LED's)  
R1-1 Stop Edge Light Sign (36"x36", 8 LED's)  
R1-1 Stop Edge Light Sign (48"x48", 8 LED's)

### Edge Light Pedestrian Crossing Signs (Edge Light Sign Only to add to regular or existing battery cabinet installation)

PNS10-ELW11-236K  
PNS10-ELW11-2R36K  
PNS10-ELW11-2K  
PNS10-ELW11-2RK  
PNS10-S1ELW16-7P24-GK  
PNS10-S1ELW16-7P24-RGK  
PNS10-S1ELW16-7P-GK  
PNS10-S1ELW16-7PR-GK  
PNS10-S1ELW16-9P-GK

W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (36"x36")  
W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (36"x36")  
W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (30"x30")  
W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (30"x30")  
W16-7P Edge Light Arrow Pointing Left to Crossing Sign (24"x12")  
W16-7P Edge Light Arrow Pointing Right to Crossing Sign (24"x12")  
W16-7P Edge Light Arrow Pointing Left to Crossing Sign (30"x18")  
W16-7P Edge Light Arrow Pointing Right to Crossing Sign (30"x18")  
W16-9P Edge Light "Ahead" Sign (30"x18")

### Edge Light Other Signs (Specify MUTCD Sign or ANY Other Sign)

Describe Sign Here (Include MUTCD Code if known and Size )

## RTC Fire Station Warning Systems

Includes Cabinet, Push to Activate Sign, Fire Station Text and Truck Icon Sign, 20W Solar Panel and 53 Ah Battery for Solar Options

**Add Poles, Pole Anchors, Signal Heads, Other Signs, LED's or RRFB's if Required**

**If you want to mount Cabinet to the shaft of a Signal Pole enter Y**

### Activation Cabinet Options

PNS10-600001MC	Fire Station Warning System Facility and Remote Activated (for use with Light Duty Handheld Device, Not Included)
PNS10-600001E	Opticom© Activated Transmission and Opticom© Receiving (Does not include GTT Opticom phase selector or detector or cable)
PNS10-600001RT	Radio Activated Transmission and Opticom© Receiving (Does not include GTT Opticom phase selector or detector or cable) Includes upgrade to 40 W Solar Panel

### Receiving Cabinet Options

PNS10-600002R	DC Fire Station Receiving Cabinet From Facility or Light Duty Remote (20 Watt Solar Panel and 53 AH Battery)
PNS10-600007R	AC Fire Station Receiving Cabinet From Facility or Light Duty Remote (Part # 502507HH)
PNS10-502547MC	Light Duty Vehicle Remote Control

### Pole Assemblies (includes Base, Collar, Anchor Bolts and Grounding Lug)

PNS10-POLE15SPALASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts
PNS10-POLE15BLKASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts Powdercoated Black
PNS10-	<b>If you want to use a Screw-In Anchor instead of Anchor Bolts select an Anchor</b>
PNS10-501312SA4	4" Anchor Pelco PB-5364
PNS10-501312SA8	8" Anchor Pelco PB-5375

### 12" Signals (Includes Visor, closure kit and Ubolt mounting hdwre)

PNS10-SIGPY	12" Signal Heads Poly Yellow (1, 2 or 3 per flasher)
PNS10-SIGPB	12" Signal Heads Poly Black (1,2 or 3 per flasher)
PNS10-SIGAY	12" Signal Heads Aluminum Yellow (1, 2 or 3 per Flasher)
PNS10-SIGAB	12" Signal Heads Aluminum Black (1, 2 or 3 per flasher)

PNS10- **If you want to use a Side by Side Mounting instead of Top and Bottom enter Y**

### 12" LED's

PNS10-502463	12" Amber DC 5 Watt LED IL (RTC Standard) (1, 2 or 3 per flasher)
PNS10-PNS-82-TSL12YLX 0	12" Amber AC LED IL (1, 2 or 3 per flasher) Change Solar and Battery Sizing
PNS10-SUB30W	Substitute 30 Watt for 20 Watt Solar Panel
PNS10-SUB40W	Substitute 40 Watt for 20 Watt Solar Panel
PNS10-SUB50W	Substitute 50 Watt for 20 Watt Solar Panel
PNS10-SUB65W	Substitute 65 Watt for 20 Watt Solar Panel
PNS10-SUB85W	Substitute 85 Watt for 20 Watt Solar Panel
PNS10-SUB110W	Substitute 110 Watt for 20 Watt Solar Panel
PNS10-SUB130W	Substitute 130 Watt for 20 Watt Solar Panel
PNS10-SUB150W	Substitute 150 Watt for 20 Watt Solar Panel
PNS10-SUB104A	Substitute 104Ah for 53Ah Battery

## RTC Pedestrian Crossing Systems



**Includes Cabinet, "Push to Activate" Sign, 40 Watt Solar Panel and 53 Ah Battery for Solar Stations**

**Add Poles, Pole Anchors, Signal Heads, LED's or RRFB's or Other Signs if Required**

**If you want to mount Cabinet to the shaft of a Signal Pole enter Y**

PNS10-600008M	DC Pedestrian Crossing Master W/ Pushbutton (1 -2 Remotes)
PNS10-600008MA	DC Pedestrian Crossing Master W/ Pushbutton (3 -6 Remotes)
PNS10-600008R	DC Pedestrian Crossing Remote W/ Pushbutton
PNS10-FlashCube-M	DC Flash Cube™ Pedestrian Crossing Master W/ Pushbutton (Includes One Flashing beacon)
PNS10-FlashCube-R	DC Flash Cube™ Pedestrian Crossing Remote W/ Pushbutton (Includes one flashing Beacon)
PNS10-600005M	AC Pedestrian Crossing Master W/ Pushbutton (1-2 Remotes)
PNS10-600005MA	AC Pedestrian Crossing Master W/ Pushbutton (3 or more remotes)
PNS10-600004R	AC Pedestrian Crossing Remote W/ Pushbutton
PNS10-Cube2	Add a Second LED, Signal, Visor and Mount to FlashCube
PNS10-Cube3	Add a Third Confirmation LED, Signal, Visor and Mount

**Change Solar and Battery Sizing**

PNS10-SUB20W	Substitute 20 Watt for 40 Watt Solar Panel
PNS10-SUB30W	Substitute 30 Watt for 40 Watt Solar Panel
PNS10-SUB50W	Substitute 50 Watt for 40 Watt Solar Panel
PNS10-SUB65W	Substitute 65 Watt for 40 Watt Solar Panel
PNS10-SUB85W	Substitute 85 Watt for 40 Watt Solar Panel
PNS10-SUB110W	Substitute 110 Watt for 40 Watt Solar Panel
PNS10-SUB130W	Substitute 130 Watt for 40 Watt Solar Panel
PNS10-SUB150W	Substitute 150 Watt for 40 Watt Solar Panel
PNS10-SUB104A	Substitute 104Ah for 53Ah Battery
PNS10-SUBAPS	Substitute a Yellow Model X APS pushbutton for Bulldog Including Changing Control Panel (Add One for each Master and One for each Remote)
PNS10-	Remove Push button from Assembly
PNS10-	Add a Second Pushbutton
PNS10-503499S	Polara 9X12 Push to Activate Sign
PNS10-APS MSG	Special Message Fee

**Signs for Ped Crossings (Includes U-Bolt Mounting)**

PNS10-S1W11-2LK	W11-2 Pedestrian Sign Walking Left HV Green (36"x36")
PNS10-S1W11-2RK	W11-2 Pedestrian Sign Walking Right HV Green (36"x36")
PNS10-5003357AT	Bolt Kit for Back to Back Edge Light Signs or Back to Back RRFB's
PNS10-S1S2-1-LGK	S2-1 School Pedestrian Sign Left WITH Lines (36"x36")
PNS10-S1S2-1-RGK	S2-1 School Pedestrian Sign Right WITH Lines (36"x36")
PNS10-S1W16-7P24-GK	W16-7P Arrow Pointing Left to Crossing Sign (24"x12")
PNS10-S1W16-7P24-RGK	W16-7P Arrow Pointing Right to Crossing Sign (24"x12")
PNS10-S1W16-9P-GK	W16-9P "Ahead" Sign (30"x18")

**Edge Light Pedestrian Crossing Signs (Edge Light Sign Only to add to existing battery cabinet installation)**

PNS10-ELW11-2K	W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (30"x30")
PNS10-ELW11-2RK	W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (30"x30")
PNS10-ELW11-236K	W11-2 Edge Light Pedestrian Sign Walking Left HV Green, No Lines (36"x36")
PNS10-ELW11-2R36K	W11-2 Edge Light Pedestrian Sign Walking Right HV Green, No Lines (36"x36")
PNS10-S1ELW16-7P24-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (24"x12")
PNS10-S1ELW16-7P24-RGK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (24"x12")

PNS10-S1ELW16-7P-GK	W16-7P Edge Light Arrow Pointing Left to Crossing Sign (30"x18")
PNS10-S1ELW16-7PR-GK	W16-7P Edge Light Arrow Pointing Right to Crossing Sign (30"x18")
PNS10-S1ELW16-9P-GK	W16-9P Edge Light "Ahead" Sign (30"x18")
	This line adds a Cabinet (Including Configurable Dimming and Configurable Flash Patterns), 20W Solar Panel, 22Ah Battery to ANY Edgelight© sign. Note: with one battery cabinet you can add an AP22 Time Switch, Guardian© and M2M communication to any sign from School Flasher Section. Pole Assembly also not included.
PNS10-S1ELASSY	

**RRFB's in Black Aluminum (Ubolt Mounting Hdwre, Banding Available on request)**

**If you want to change the color to Yellow enter Y**

PNS10-503661D	Single Solar RRFB (No Confirmation Light)
PNS10-503661D2	Back to Back Solar RRFBs (No Confirmation Light)
PNS10-503661DC	Single Solar RRFB W/ Confirmation Light
PNS10-503661DCC	Single Solar RRFB W/ Two Confirmation Lights
PNS10-503661DC2	Back to Back Solar RRFBs W/ One Confirmation Light
PNS10-503661DC3	Back to Back Solar RRFBs W/ Two Confirmation Lights
PNS10-503661DCC2	Back to Back Solar RRFBs W/ Four Confirmation Lights
PNS10-503661A	Single AC RRFB (No Confirmation Light)
PNS10-503661A1	Single AC RRFB (No Confirm, LARGE Lens - Garland)
PNS10-503661A2	Back to Back AC RRFBs (No Confirmation Light)
PNS10-503661AC	Single AC RRFB W/ Confirmation Light
PNS10-503661ACC	Single AC RRFB W/ two Confirmation Light
PNS10-503661AC2	Back to Back AC RRFBs W/ One Confirmation Light
PNS10-503661AC3	Back to Back AC RRFBs W/ Two Confirmation Lights
PNS10-SUB30W	Substitute 30 Watt for 20 Watt Solar Panel
PNS10-SUB40W	Substitute 40 Watt for 20 Watt Solar Panel
PNS10-SUB50W	Substitute 50 Watt for 20 Watt Solar Panel
PNS10-SUB65W	Substitute 65 Watt for 20 Watt Solar Panel
PNS10-SUB85W	Substitute 85 Watt for 20 Watt Solar Panel
PNS10-SUB104A	Substitute 104Ah for 53Ah Battery

**Pole Assemblies (includes Base, Collar, Anchor Bolts and Grounding Lug)**

PNS10-POLE15SPALASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts
PNS10-POLE15BLKASSY	15' Spun Aluminum Pole, Base and Collar and Anchor Bolts Powdercoated Black
PNS10-	<b>If you want to use a Screw-In Anchor instead of Anchor Bolts select an Anchor</b>
PNS10-501312SA4	4" Anchor Pelco PB-5364
PNS10-501312SA8	8" Anchor Pelco PB-5375

**12" Signals (Includes Visor, closure kit and Ubolt mounting hdwre)**

PNS10-SIGPY	12" Signal Heads Poly Yellow (1, 2 or 3 per flasher)
PNS10-SIGPB	12" Signal Heads Poly Black (1,2 or 3 per flasher)
PNS10-SIGAY	12" Signal Heads Aluminum Yellow (1, 2 or 3 per Flasher)
PNS10-SIGAB	12" Signal Heads Aluminum Black (1, 2 or 3 per flasher)

**If you want to use a Side by Side Mounting instead of Top and Bottom enter Y**

**12" LED's**

PNS10-502463	12" Amber DC 5 Watt LED IL (RTC Standard) (1, 2 or 3 per flasher)
PNS10-PNS-82-TSL12YLX	12" Amber AC LED IL (1, 2 or 3 per flasher)

## RTC Ala Carte Section

**Signal Cabinets (ALL RTC Cabinets include all load switches, flash transfer relays, isolators, power supplies and BIU's as needed)**

PNS10-TS1	TS1 Cabinet No Conflict Monitor or Controller
PNS10-TS1M	TS1 Cabinet with EDI Conflict Monitor but No Controller
PNS10-TS1MC	TS1 Cabinet with EDI Conflict Monitor and McCain Controller
PNS10-TS2	TS2 Cabinet No Conflict Monitor or Controller
PNS10-TS2M	TS2 Cabinet with EDI Conflict Monitor but No Controller
PNS10-TS2MC	TS2 Cabinet with EDI Conflict Monitor and McCain Controller
PNS10-TS2TX	TXDOT TS2 Cabinet with EDI Conflict Monitor but No Controller

### Time Switches Ala Carte

PNS10-503644B	AP22 Time Switch W/O Harness
PNS10-AP22H	AP22 Harness 48"
PNS10-504567	Program Transfer Cable PC to AP22/CPR/TR4
PNS10-500637	Program Transfer Cable Kit PC to AP22/CPR/TR4
PNS10-504558	AP22 Transfer Cable (Clock to Clock)
PNS10-	AP22 Time Clock Upgrade and Warranty
PNS10-501614B	AP21 Time Switch W/O Harness
PNS10-503518	AP21 & CPR2102 Harness 48"
PNS10-500512	Program Transfer Cable PC to AP21 or AP21 to AP21
PNS10-500635D	Program Transfer Cable KIT PC to AP21 or AP21 to AP21
PNS10-500482	DB9 to RJ45 Adapter Cable
PNS10-500625	AP21TR AC Time Switch (No Keypad or Display)
PNS10-500634	AP21TR DC Time Switch (No Keypad or Display)
PNS10-500455	Base Relay for DCF 2 circuit Flasher and AP21TR
PNS10-505426	Adapter USB to DB9
PNS10-500517	Power Cord for all Time Switches
PNS10-507409	Memory Capacitor (was 501808)
PNS10-500335E	Mounting Bracket for Pager Antenna in DC Cabinet
PNS10-503349K	Mounting Bracket for Pager Antenna in AC Cabinet
PNS10-501532C	GPS Receiver W/ Harness
PNS10-506445CPWM-3	CPR 2102 Time Clock Upgrade and Warranty
PNS10-503525A	CPR 2102 Pager Antenna w/ 30' Lead

### Communication Options:

#### R1 and R2 Radio and Antenna Options

PNS10-505472-11dB	11dB Omni Antenna with Mounting Bracket
PNS10-503525Y	10dB Yagi Antenna W/ Mounting Bracket, 25' Lead
PNS10-505472-5	5dB OMNI Antenna W/O Mounting Bracket, No Lead
PNS10-503525BE	3dB OMNI Antenna W/O Mounting Bracket, 30' Lead
PNS10-502356	Mounting Bracket for all Yagi Antennas
PNS10-505472-5B	Mounting Bracket For 5dB Omni Antenna on 1.5" pole (for 505472-5)
PNS10-500335E	Mounting Bracket For 5dB Omni, CPR Pager 3dB Omni Antennas on Solar Panel
PNS10-505472L-25	25' 240 Series Antenna Lead Only (No Lightning Suppressor)
PNS10-505472L-50	50' 240 Series Antenna Lead With Suppressor
PNS10-505472L-100	100' 400 Series Antenna Lead With Suppressor
PNS10-505472L-100BE	100' 400 Series Antenna Lead With Suppressor (for 503525BE, Fire Station WS)
PNS10-505472L-150	150' 400 Series Antenna Lead With Suppressor
PNS10-505433	Lightning Suppressor for Antenna Lead
PNS10-505476-2	ESR 902 Serial Port Server (No Cables)

PNS10-505476C 6 Foot Serial Cable from Radio to Switch  
 PNS10-505476EC 7 Foot Cat 5 Cable from LAN to Switch  
 PNS10-501257 2 Conductor Cable for RRFB Pigtail (Per Foot) (A/C Only)

**Solar and AC Cabinet Back Panels and Components**

PNS10-Eng Specialty Panel Engineering Adder Per Hour  
 PNS10-503333UB One Battery Cabinet Cabinet Only  
 PNS10-503333FB One Battery Cabinet - Cabinet Only + Flared Pole Mount  
 PNS10-503333HB One Battery Cabinet - Cabinet Only + Hinge Bracket Mount  
 PNS10-502598SW One Battery Cabinet - Panel Only  
 PNS10-503568-3PT Houston Two Battery Cabinet - + 3PT Lock  
 PNS10-502598 Houston Two Battery Cabinet - Panel Only Add 50489-15 Regulator, and 500540 Flasher  
 PNS10-SFGP3LED Grand Prairie Two Battery Cabinet (Complete with Radio and CPR 2102 Time Switch, Pole, base, anchor bolts, signals and LED's)  
 PNS10-502598GP Grand Prairie Two Battery Cabinet Panel Only (Add 20A SS Regulator & DCF2)  
 PNS10-502565 Two Battery Cabinet Only, 14x16x10, #2 Lock  
 PNS10-500341CCNK Clark County AC School Cabinet and Panel  
 PNS10-500341CCNPK Clark County AC Pedestrian Crossing Cabinet and Panel (No Ped ISO)  
 PNS10-502598LCB Panel Only for Two Battery Cabinet With Regulator  
 PNS10-502564 AC Cabinet - Cabinet Only + Ubolts  
 PNS10-502565 AC Cabinet - Cabinet Only + Flared Pole Mount  
 PNS10-502505 A/C Panel ( NEMA Flasher Only, No Flash Transfer Relay)  
 PNS10-500533 NEMA Flasher  
 PNS10-502505P Pelco Cabinet Replacement Panel (does not include AP22, M2M or Guard)  
 PNS10-500357 Mounting Bracket 4.5" Ubolt  
 PNS10-500357B Mounting Bracket 4.5" Ubolt Powder Coated  
 Mounting Bracket - Flared for Signal Poles (AC cabinet needs one, DC cabinets need 2 each)  
 PNS10-502364-4 Mounting Bracket 4.5" Hinged Bracket  
 PNS10-502364HB DC Panel Assy (Houston Spec)(No DCF, No Regulator)  
 PNS10-502598 DC Panel Assy (Quick Replacement/Small Footprint)  
 PNS10-502598GP DC Panel Assy (Grand Prairie Spec)  
 PNS10-500540 DCF 2 circuit Flasher  
 PNS10-502598FCBA Circuit Board Flasher Interface W/ Automotive Fuses)  
 PNS10-500489-15 15 Amp Regulator PROSTAR LCD Screen (up to 250 Watt System)  
 PNS10-504459SS20 20 Amp Sun Saver Regulator Without LCD Display (up to 320 Watt System)  
 PNS10-501359 # 2 Key for Lock  
 PNS10-500380 # 2 Lock (includes 1 key)  
 PNS10-500316 # 1 (Police) Key for Lock  
 PNS10-500315 # 1 (Police) Lock (includes 1 key)

**Solar Panels (Wiring Kit Included), Brackets and Wiring Kits**

PNS10-502400-20 20 Watt Solar Panel ONLY  
 PNS10-502400-30 30 Watt Solar Panel ONLY  
 PNS10-502400-40 40 Watt Solar Panel ONLY  
 PNS10-502400-50 50 Watt Solar Panel ONLY  
 PNS10-502400-65 65 Watt Solar Panel ONLY  
 PNS10-502400-85 85 Watt Solar Panel ONLY  
 PNS10-502400-110 110 Watt Solar Panel ONLY  
 PNS10-502400-130 130 Watt Solar Panel ONLY  
 PNS10-502400-150 150 Watt Solar Panel ONLY  
 PNS10-502400-M Banding Mounting Bracket 20-50 W for Most Pole Sizes (Includes Bolt Kit)

PNS10-5033714	Gimble Mount for 2" Square Pole
PNS10-502400-M2	4.5 OD Top of Pole Gimble Mounting Bracket 65-130 W (Includes Bolt Kit)
PNS10-503364B	Side of Pole Riser Mount 5'

**Poles & Anchors Ala Carte**

PNS10-501307	15' Spun Aluminum Pole (Pole Only)
PNS10-501310	Pole Base SPTX-1014
PNS10-501311	Pole Collar PB-5325
PNS10-501310GL	Grounding Lug PB-5378-BRS
PNS10-501312	Anchor Bolts Pelco 5306-GLV
PNS10-501312GR	Grounding Rod with Clamp and Wire
PNS10-501309M	Pole Cap PB-5402

**Signal LED and Wiring Ala Carte**

PNS10-502463-8W	12" Amber DC 8 Watt LED IL (1, 2 or 3 per flasher) To Match Existing LED's ONLY
PNS10-503375NS	Mounting Hdwre Pelco SE-5053-ALO Single
PNS10-503375NSB	Mounting Hdwre Pelco SE-5053-ALO Single Black Powdercoat
PNS10-503375SSC	Mounting Hdwre Pelco SE-5186-ALO Side by Side
PNS10-501304	Signal Closure Kit Yellow
PNS10-501304B	Signal Closure Kit Black
PNS10-504580S	Signal Wiring Kit
PNS10-501422BPL	One Section Black Poly 12" Backplate (Louvered)
PNS10-501422BP	One Section Black Poly 12" Backplate (non Louvered)

**TR4's**

PNS10-501661F4	TR4 GPS Time Reference (includes GPS Receiver, Power Cord and Wiring Harness)
PNS10-501532	GPS Receiver Only
PNS10-501661-4MDOT	TR4 GPS Time Reference for Missouri DOT (add 501532M)
PNS10-501532M	GPS Receiver Only for Missouri DOT
PNS10-501661-4K	TR4 Time Reference (W/O GPS)
PNS10-502586	TR4 72" Harness to GPS Receiver
PNS10-502585	TR4 72" Harness and Power Cord
PNS10-505495T	Processor Chip Upgrade (TR3 to TR4)
PNS10-501664	GPS Remote Mounting Assembly

**Other**

PNS10-501610P	Opticom IR Emitter Reader with Soft Side Pouch
PNS10-506440	Hardshell Pelican Case for Reader
PNS10-500632	Gate Opener Board for Opticom Gate Opener

**RTC Installation Labor (CTC)**

CTCINSTALL	Fire Station Warning System 8 hours \$260 per hour
CTCINSTALL	15' Pole Installation – Screw in Anchor or Bolts 4 Hours \$260 per hour
CTCINSTALL	Signal Cabinet Install TS/1 & TS/2 8 Hours \$210 per hour

**RTC Repairs (does NOT include Pager on CPR2102)**

PNS10-AP22 REP1-5	AP22 or CPR2102 Time Switch Repair Year 1-5 (Non Warranty)
PNS10-AP22 REP6	AP22 or CPR2102 Time Switch Repair Year 6
PNS10-AP22 REP7	AP22 or CPR2102 Time Switch Repair Year 7
PNS10-AP22 REP8	AP22 or CPR2102 Time Switch Repair Year 8
PNS10-AP22 REP9	AP22 or CPR2102 Time Switch Repair Year 9
PNS10-AP22 REP10	AP22 or CPR2102 Time Switch Repair Year 10

PNS10-CPRREPPG	CPR 2102 Pager Replacement ADD on to any repair
PNS10-AP22 REP1-5	AP22 Time Switch Repair Year 1-5 (Non Warranty)
PNS10-AP21 REP6	AP21 Time Switch Repair Year 6
PNS10-AP21 REP7	AP21 Time Switch Repair Year 7
PNS10-AP21 REP8	AP21 Time Switch Repair Year 8
PNS10-AP21 REP9	AP21 Time Switch Repair Year 9
PNS10-AP21 REP10	AP21 Time Switch Repair Year 10