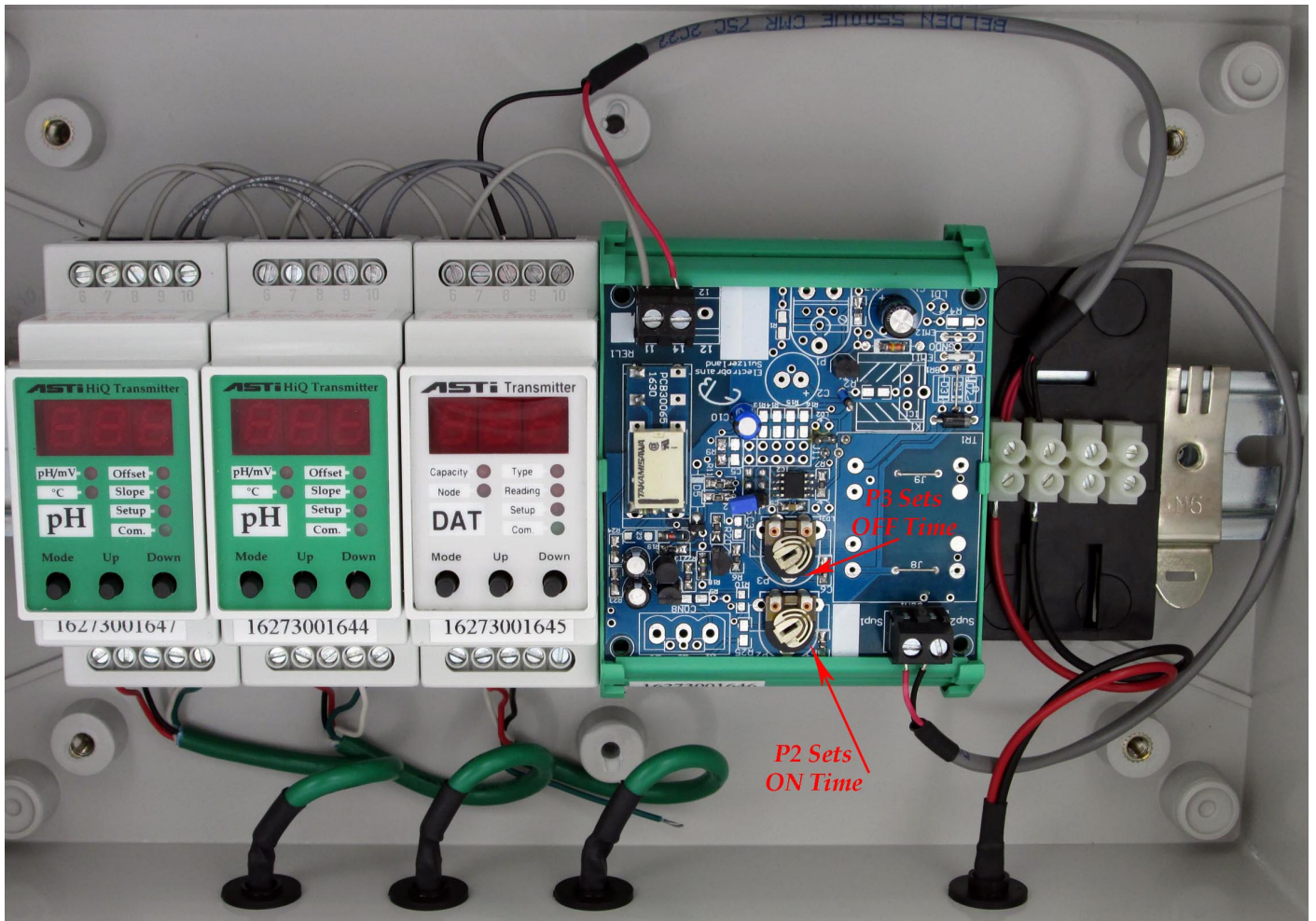


Ultralow Power Timer (UPT) for Intermittent Operation of 3TX Transmitters Extends Runtime of Battery Powered Installs



Wiring example for UPT with 3TX-HiQ-pH transmitters & 3TX-DAT datalogger. Red wire is +24VDC & Black wire is ground. Contact starts in normally open (NO) position after power-up and waits the 'Off' time before energizing for the 'On' time.

TECHNICAL SPECIFICATIONS FOR UPT PROGRAMMABLE PULL TIMER

Mechanical & Dimensional

Mounting:	35mm DIN-RAIL
Terminals:	Max wire cross section 1.5 mm ² Max torque 0.2 Nm
Temp.:	Usage -20 to +40 °C
Dimensions:	D 44 x W 73 x H 93 mm (1.7" X 2.9" X 3.7")
Off Time:	From 4 to 120 minutes adjustable with P3 ~280 seconds per turn (~28 second resolution)
On Time:	From 30 to 300 seconds adjustable with P2 ~11 seconds per turn (~1 second resolution)
P2 On Time Adjustment:	Accomplished using 25 turn potentiometer taken in at 256 steps (~10 steps per turn). Far right is min (as shown above) & far left is max setting.
P3 Off Time Adjustment:	

Electrical & Function

Supply Voltage:	24VDC
Supply Current:	0.4mA average
Relay Type:	Bistable (for super low current use)
Relay Contact:	1 each 'NO' (Type A, normally open)
Max Load:	1.0A @ 30VDC (Resistive)
Runtimes with 12AH rated Lead Acid Battery	1 each 3TX-HiQ-pH + 1 each 3TX-DAT 35 days* / 108 days** / 487 *** days 2 each 3TX-HiQ-pH + 1 each 3TX-DAT 23 days* / 74 days** / 388 *** days
*	30 seconds On / 4 minutes Off
**	30 seconds On / 15 minutes Off
***	30 seconds On / 120 minutes Off



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