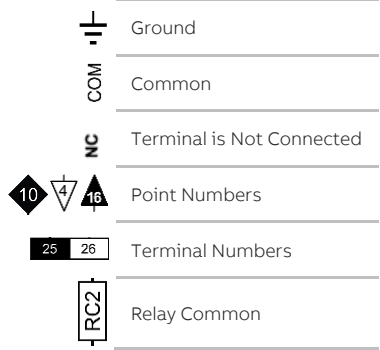
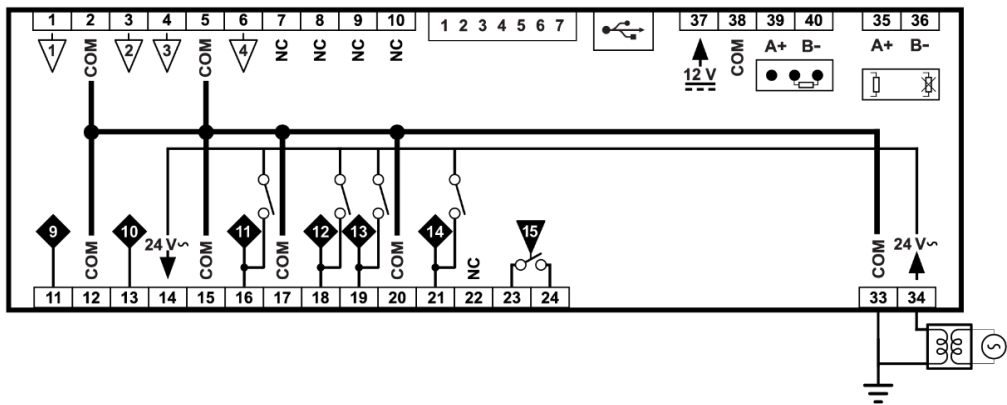
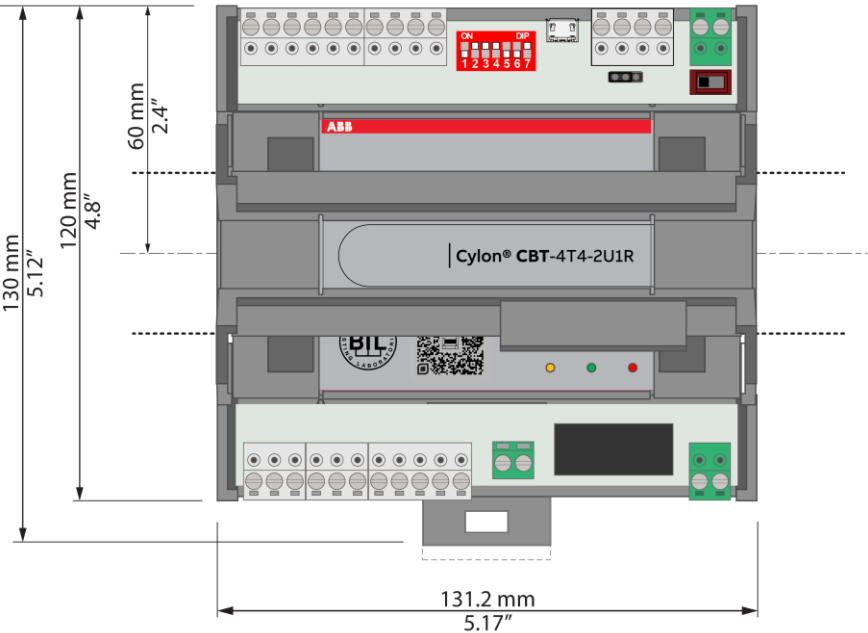



INSTALLATION AND WIRING


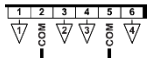










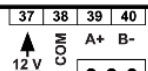














BDS0026 rev 10

CBT-4T4-2U1R










Location	Illustration	Terminal Numbers	Description
		33, 34	Power 24 V AC Important: The common power connection (terminal 33 ) must be connected to Earth. Cylon recommend that this is done at the 24 V AC transformer.
		16 ... 21	UniPuts™ with Triac



Location	Illustration	Terminal Numbers	Description
		1 ... 6	Universal Inputs
		11, 13	UniPuts™
		14	24 V AC output
		23,24	Relay digital output 240 V AC, Maximum Load: 240 V AC / 8 A Max
			WARNING: HAZARDOUS VOLTAGES. DISCONNECT SUPPLY TO MAINS RELAYS AND 24 V AC TO UNIT BEFORE WIRING.
		35, 36	BACnet MS/TP Port
			Important: In order for the BACnet MS/TP bus to operate reliably, the common power connection (terminal 33 $\frac{1}{2}$) must be connected to Earth. Cylon recommend that this is done at the 24 V AC transformer.
		37 ... 40	Sensor Port
		37, 38	Sensor Port Power supply
		39, 40	Sensor Port RS485
			Sensor Port Terminator
			OFF (Not Terminated)
			ON (Terminated)
			BACnet MS/TP Terminator
			The Modbus Terminator Switch is located below the port. If the switch is towards the  icon, then termination is in and if the switch is towards the  icon then termination is out .
			Service Port (micro-USB)
			Note: Service Port must not be connected until after the device is powered on.

Indicator LEDs

	Red LED Continuous: Optional battery is healthy. Flash once a second: Indicates no battery/battery is low. Note: Battery is present only on custom versions. CAUTION - DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISPOSE OF USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
	Green LED Continuous: Strategy servicing and no comms. Flash rapidly (every 100 ms): Strategy not servicing. Flash once a second: MSTP comms, and Strategy servicing. Note: When Service Port is in use, the Green LED blinks off as Service Port comms are received.
	Yellow LED Off: Normal operation. On: Priority Array set above 16, for one or more Hardware Points, by external BACnet Client, or by CXpro ^{HD} .

	Cycle Yellow-Green-Red (left-to-right) Controller is in terminal mode.
	Cycle Red-Green-Yellow (right-to-left) Upgrade in progress while Controller is in terminal mode. Note: The strategy is not serviced while in upgrade mode.
	Cycle green to yellow Globals communication/setup problem
	Green and yellow flash simultaneously Globals communication/setup problem and Hardware Point Priority Array is set above 16 by external BACnet Client, or by CXpro ^{HD} .