INSTALLATION AND WIRING
BDS0026 rev 8

CBT-4T4-2U1R
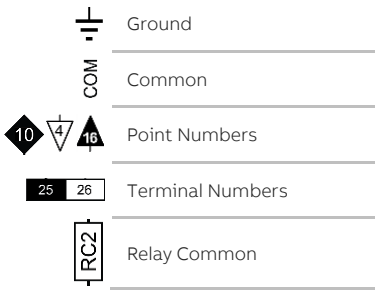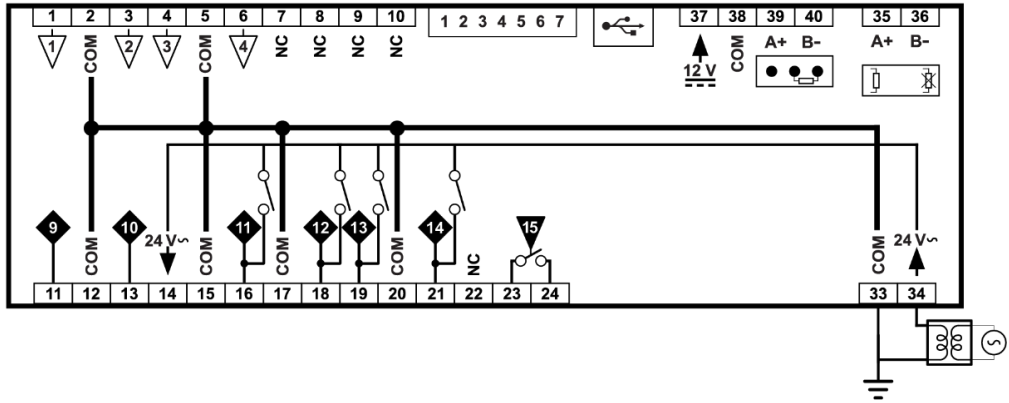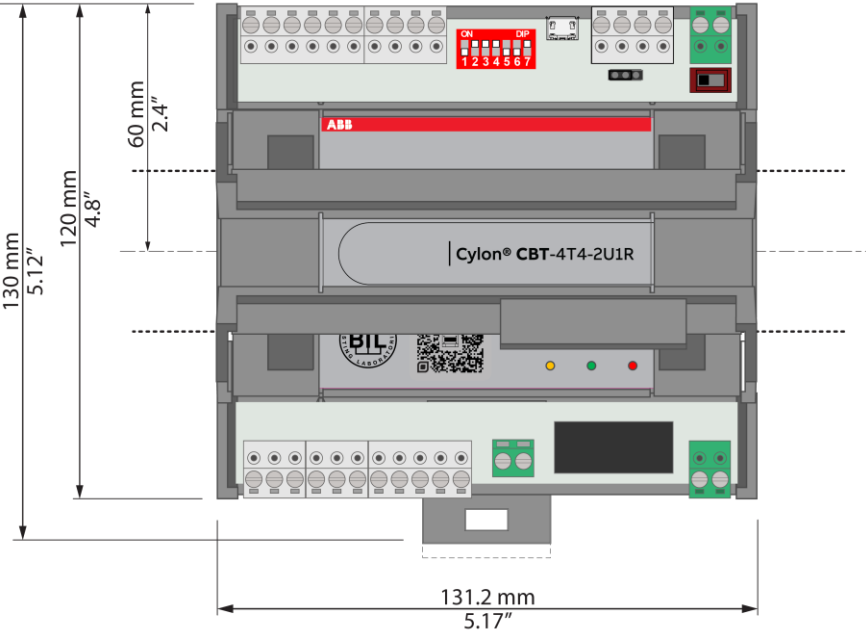
Location	Illustration	Terminal Numbers	Description
		33, 34	Power 24 V AC
			Important: The common power connection (terminal 33 ⏚) must be connected to Earth. Cylon recommend that this is done at the 24 V AC transformer.
		16 … 21	UniPuts™ with Triac

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 ⏚) must be connected to Earth. Cylon recommend that this is done at the 24 V AC transformer.
		37 … 40	Keypad Port
		37, 38	Room Display / CBT-STAT Power supply
		39, 40	Room Display / CBT-STAT RS485
			Room Display / CBT-STAT 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**.