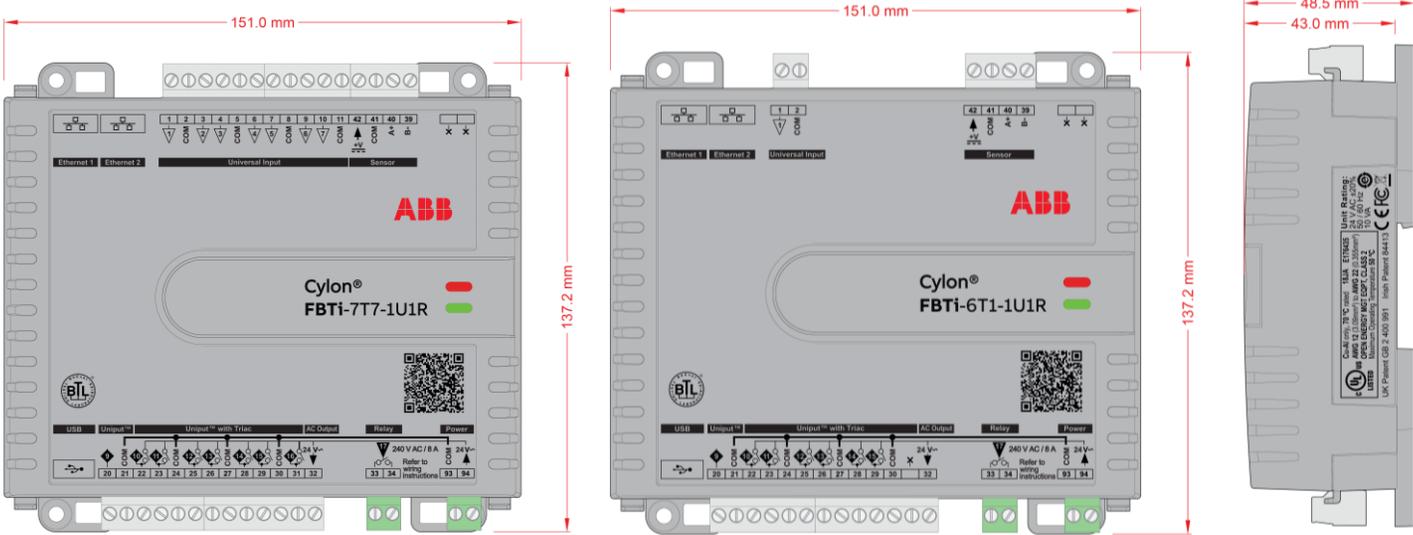


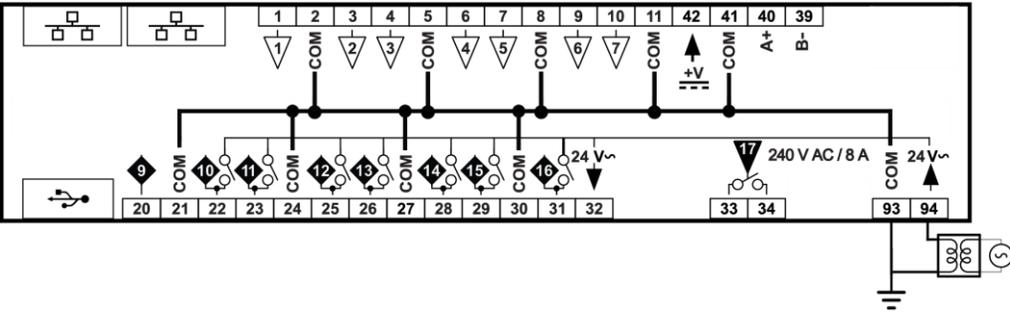
INSTALLATION AND WIRING

BDS0033 rev 10

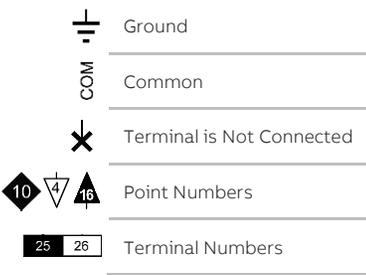
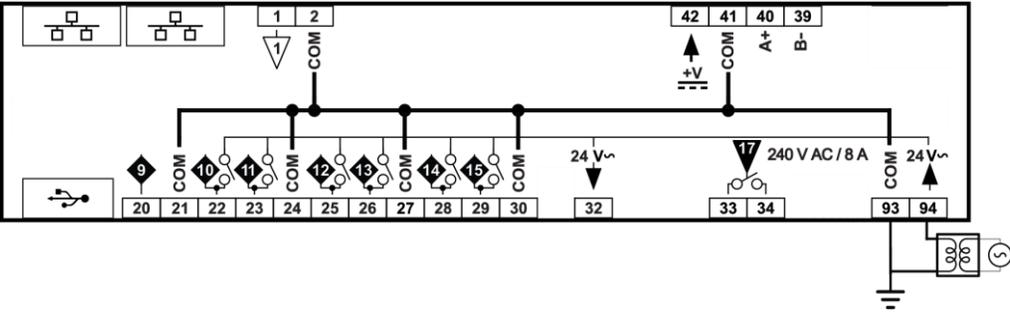
# FBTi Series



**FBTi-7T7-1U1R:**



**FBTi-6T1-1U1R:**



Location	Illustration	Terminal Numbers	Description															
		93, 94	Power 24 V AC <b>Important:</b> The common power connection (terminal 93 $\perp$ ) must be connected to Earth. ABB recommend that this is done at the 24 V AC transformer.															
		22 ... 31	UniPuts™ with Triac															
		1 ... 10	Universal Inputs															
		20, 21	UniPuts™															
		32	24 V AC output															
		33, 34	Relay digital output 240 V AC, Maximum Load: 240 V AC / 8 A Max <b>WARNING: HAZARDOUS VOLTAGES.</b> DISCONNECT SUPPLY TO MAINS RELAYS AND 24 V AC TO UNIT BEFORE WIRING.															
		39 ... 42	Sensor Port															
		Ethernet																
		Service Port (USB)	<b>Note:</b> Service Port must not be connected until after the device is powered on.															
		Indicator LEDs	<table border="1"> <thead> <tr> <th></th> <th>Off</th> <th>On</th> <th>Slow Blink</th> <th>Fast blink</th> </tr> </thead> <tbody> <tr> <td> Red LED (Power)</td> <td>Power is off</td> <td>Power is on</td> <td colspan="2">— Unit Rebooting —</td> </tr> <tr> <td> Green LED (Status)</td> <td>Unit is not running</td> <td>Strategy Loaded but no network connectivity</td> <td>Strategy Loaded and device communicating on network</td> <td>No Strategy loaded</td> </tr> </tbody> </table> <p><b>Note:</b> During typical operation, the Red LED should be on, the Green LED should be blinking. </p>		Off	On	Slow Blink	Fast blink	Red LED (Power)	Power is off	Power is on	— Unit Rebooting —		Green LED (Status)	Unit is not running	Strategy Loaded but no network connectivity	Strategy Loaded and device communicating on network	No Strategy loaded
	Off	On	Slow Blink	Fast blink														
Red LED (Power)	Power is off	Power is on	— Unit Rebooting —															
Green LED (Status)	Unit is not running	Strategy Loaded but no network connectivity	Strategy Loaded and device communicating on network	No Strategy loaded														
		(Unconnected terminals, for use on future product variants)																