

# POWERITE PROGRAMMABLE DIGITAL COUNTDOWN TIMER PRODUCT RANGE

## BCT-2 PROGRAMMABLE DIGITAL COUNTDOWN TIMER

### FEATURES

- Competitive Price
- Protection up to IP65 (with Seal Kit fitted)
- 10 mm Easy to Read LCD Display
- Adjustable Countdown Times up to 24 Hours with additional programming features to obtain Time Delays up to 9,999 hours
- Countdown Time Lock Function
- Countdown Indication in Hour/Min & Seconds
- Ni - Cd Rechargeable Battery Backup
- Cycle Switching "ON" Red Led Indicator
- Range of Control Voltages up to 415V A/C
- BCT-2"S" Special Unit for Diesel Engine Control \* where the countdown timer may need to be adjusted while in operation.



BCT-2



BHC



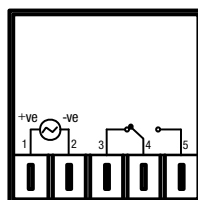
BCT-E

### TECHNICAL DATA

DIMENSIONS (H x W X D)	= 50 x 50 x 35 mm
PANEL CUTOUT	= 45 x 45 mm
CONTROL VOLTAGES	= 240V & 415V A/C
	= 12V D/C
CONTACT RATING = THERMAL (Ith)	= 16A / 250V A/C
= RESISTIVE LOAD	= 16A / 250V A/C
= LIGHTING LOAD	= 8A / 250V A/C
= DIRECT CURRENT	= 1A / 24V D/C
OPERATING TEMPERATURE RANGE	= -10° C TO +50° C
BATTERY RESERVE	= 3,000 HOURS (APPROX)
DISPLAY	= 10mm LIQUID-CRYSTAL DISPLAY (LCD)
MINIMUM COUNTDOWN TIME	= 1 MINUTE
MAXIMUM COUNTDOWN TIME	= 24 HOURS (24H 00M)

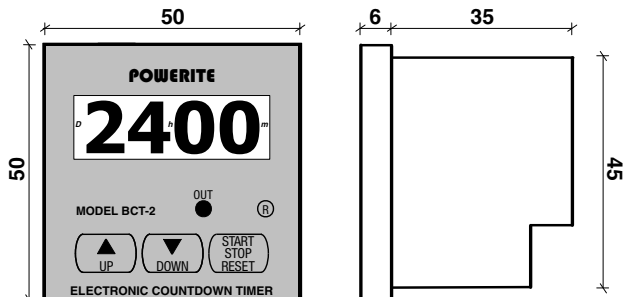
★ The BCT-2"S" Timer can be programmed to change the Run Down Time remaining during the countdown sequence. (Designed for Diesel Engines Control)

### CONNECTION DETAILS

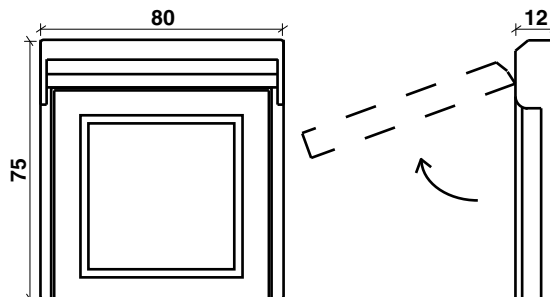


POWER = 1 - 2  
 N / C = 4 - 3  
 N / O = 4 - 5  
 CONTACT RATING = 16A - 240V 50Hz RESISTIVE

### DIMENSIONS



### HINGED COVER DETAILS



DESCRIPTION		DESCRIPTION	
DESCRIPTION	CODE	DESCRIPTION	CODE
BCT-2 TIMER 240V	32-BCT2240	JSGUS MECH. TIMER ADAPTOR	32-BCT2IAP
BCT-2 TIMER 415V	32-BCT2415	HINGED COVER FOR BCT2/B7PT	32-BHC
BCT-2 TIMER 12V D/C	32-BCT2D12	* BCT-2"S" TIMER 12V D/C	32-BCTSD12
MOUNTING PLATE	32-BCTP	* BCT-2"S" TIMER 240V	32-BCTS240
TIMER ENCLOSURE (IP55)	32-BCTE		



## BCT-2 PROGRAMMING INSTRUCTIONS

### Button Functions



To programme an increase to the countdown time setting, or display the programmed setting during countdown.



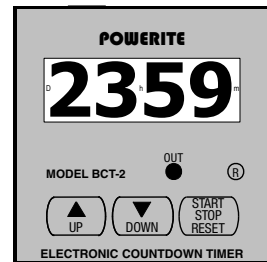
To programme an decrease to the countdown time setting, or display the programmed setting during countdown.



\* **"Start"** the countdown when a time setting has been programmed.

\* **"Stop"** or pause the countdown after the programmed countdown has started. Press the button again to continue the countdown.

\* **"Reset"** the countdown timer to the set value when the countdown is in progress, push the to stop countdown then press again for 3 seconds to reset the countdown time to the set value. At the end of the countdown time the display will flash at zero, push the button once to reset the countdown time to the set value.



### To set Countdown Time

Programme the desired countdown time using the and buttons.

NOTE: The setting can be taken to zero by pressing the and buttons simultaneously.

When programming by holding the or buttons down the time will advance quickly.

A "D" will flash at the left side of the display when the timer is counting down.

### To lock the Countdown Time

The programmed countdown time can be "locked in" so that it can not be altered for security by pushing down and the buttons simultaneously for 3 seconds.

NOTE: A symbol will appear in the bottom right corner of the display and the or buttons are disabled, so the programmed countdown time can not be adjusted.

### To unlock the Countdown Time

The "locked in" countdown time can be released by pushing down and the buttons simultaneously for 3 seconds.

NOTE: The symbol will disappear from the bottom right corner of the display and the or buttons can again be used to programme the countdown time.

### To Start the Countdown Time

The countdown timing is Started by pushing the button, this will energise the output relay and the "out" Red LED will glow. (Power must be connected to energise the outputs).

A "D" will flash on the left side of the display when the timer is counting down.

When the countdown time has elapsed the output relay and "out" red LED will turn off.

The display will flash at zero, push once to reset to the set countdown time.

NOTE: To "Stop" or "Pause" the timing after the countdown has started push the button.

During Countdown the programmed time can be displayed by pushing the or buttons.

### To Stop the Countdown Time

The countdown timing is Stopped by pushing the button.

### To Reset the Timer to the Set Countdown Time

To Reset the Countdown timer to the set value when the countdown is in progress, push to stop countdown then press again for 3 seconds to reset the countdown time to the set value.

At the end of the countdown time the display will flash at zero, push the button once to reset the countdown time to the set value.

### To Completely Reset the Timer

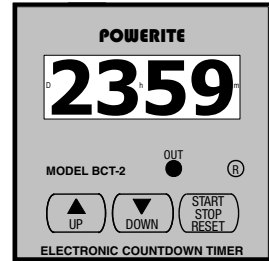
To completely reset the timer if the unit malfunctions push and at the same time and the countdown timer will reset to the initial display time. The countdown timer can now be set to the required countdown time.



**BCT-2 ADDITIONAL PROGRAMMING INSTRUCTIONS**

**To select a Countdown Time Mode**

Hold the (M)ODEL button down for (3) three seconds, the display will flash the H, M or S, then push the (M)ODEL button within (3) three seconds until the required display time appears, after (3) three seconds the selected display time will stop flashing the H, M or S. The range is then set and now the required countdown time can be selected.



**Button Functions**

\* "Mode" the countdown timer has (10) ten standard countdown time ranges that can be selected by pressing the mode button under (M)ODEL BCT-2.

RANGE	DISPLAY TIME	HIGHEST VALUE	REMARKS
1	24H00M	24H00M	INITIAL RANGE
2	0.0S	999.9S	
3	0S	9999S	
4	0M00S	99M59S	
5	0M00S	99M00S	SECOND NOT AVAILABLE
6	0.0M	999.9M	
7	0M	9999M	
8	0H00M	99H59M	
9	0H00M	99H00M	MINUTE NOT AVAILABLE
10	0H	9999H	