

 \Box

Type: LMMT

Multifunction, Multi-voltage Timer

Terminal Protection to IP20

Dims: to DIN

W. 17.5mm

43880



NEW 17.5mm DIN rail housing

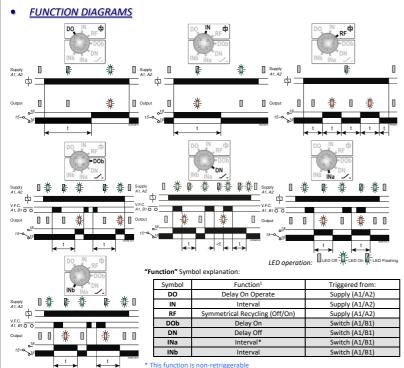
- 7 Selectable functions (3 Supply Initiated, 4 Switch Initiated)
- 3 Switch initiated functions are re-triggerable (DOb, DN and INb)
- 7 Selectable time ranges (0.1 seconds 100 hours)
- Fine adjustment of selected time range
- LED warning indication if function is changed whilst powered
- Switch initiated functions ideal for use in Watchdog circuits
 - Multi-voltage input (24 230V AC/12 230V DC)
- 1 x SPDT relay output 8A
- Green LED indication for supply / timing status
- Red LED indication for relay status
- Conforms to IEC 61812

Wiring Information and Product Demonstration Videos can also be found on our YouTube channel

https://www.youtube.com/user/BroyceControlLtd







INSTALLATION AND SETTING

Connect the unit as required.

BEFORE INSTALLATION, ISOLATE THE SUPPLY.

Installation work must be carried out by qualified personnel.

Setting the unit.

- Set the "Function" selector 6 to the required position.
- Set the "Range" 4 to the required position (depending on whether seconds, minutes or hours are required), then set the "Set %" adjustment 3 as required. The "Set %" is a % of the selected range, so 60% of the 1 - 10 hour range will give 6 hours.

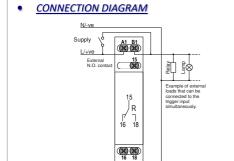
- Apply power and the green LED 1 will illuminate or start flashing depending on Function selected. If a Switch initiated function is selected, the LED will begin flashing upon closing of the external input.
- The red relay LED 2 will illuminate to indicate the relay is in the energised state.

Note:

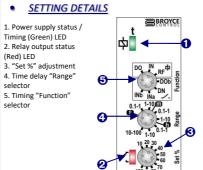
ster rate. Power must be removed and re-applied for the new Function to operate.

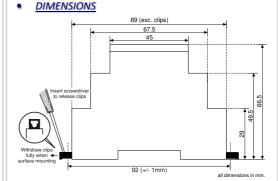
. In accordance with IEC 61812, the green LED is permitted to extinguish during a voltage dip or momentary interruption of the po providina the state of the output relay does not chanae. The dip / interruption duration and levels are defined in the product stand

Supply voltage U (A1, A2):		24 - 230V AC/12 - 230V DC				
Frequency range:		48 - 63Hz (AC supplies)				
Supply variation:		AC: +15/-20%, DC: +/-15%				
Overvoltage category:	III (IEC 60664)					
Rated impulse withstand voltage:		4kV (1.2/50μS) IEC 60664				
Power consumption (max.):		12V	24V		110V	230V
AC: DC:	C:	0.3VA	0.4	Ά	1.3VA	3.4VA
	C:	0.26W	0.24	W	0.47W	0.95W
Timing functions (7):						
Supply initiated:		Delay On (DO), Interval (IN),				
		Symmetrical Recycling Off/On (RF)				
Switch initiated:		Delay On (DOb), Delay Off (DN), Interval (Trailing) (INa				
		Interval (Leading) (INb)				
Timing ranges (7):		Seconds:		Minutes:		Hours:
		0.1 – 1		0.1 – 1		0.1 – 1
		1-10		1-10		1-10
						10 - 100
Reset time:		100ms				10 100
Accuracy:		± 1% of maximum full scale				
Adjustment accuracy:		< 5% of maximum full scale				
Repeat accuracy:	± 0.5% at constant conditions (IEC 61812)					
Drift with temperature:	± 0.05% / °C					
Drift with voltage:		± 0.2% / V				
=		•				
External trigger input (A1 > B1):		Volt Free Contact, Open Collector				
External loading:		Yes, between B1 and A2 (i.e. LED, Relay, Lamp)				
Trigger threshold:		>75% of voltage present between A1 and A2 (auto-set				
Minimum trigger time:		AC: 60ms DC: 40ms (B1 terminal unloaded)				
Maximum input frequency:	10 Hz (with 50:50 duty cycle) 10m (between Timer and external switching device)					
Maximum cable length:		10m (betw	een Time	er and ext	ernai swit	cning device)
Power on indication / Timing ² :		Green LED				
Relay status		Red LED				
Ambient temp:		-20 to +60°	'C			
Relative humidity:		+95%				
•						
Output (15, 16, 18):		SPDT relay			2501/0	A (2000)(A)
Output rating:		AC1 AC15				A (2000VA)
		DC1				A (no), 3A (nc)
Electrical life:					25V 8A	(200W)
		≥ 150,000 ops at rated load				
Dielectric voltage:		2kV AC (rms) IEC 60947-1				
Rated impulse withstand voltage:		4kV (1.2/50μS) IEC 60664				
Housing:		Grey flame retardant UL94				
Weight:		≈ 60g				
Mounting option:		On to 35mi	m symm	etric DIN i	ail to BS E	N 60715
		or direct surface mounting via 2 x M3.5 or 4BA screws				
	using the black clips provided on the rear of the unit.					
Terminal conductor size		≤ 2 x 2.5mm² solid or stranded				
Approvals:		Conforms t	o IEC 61	312.		



A2





CE, UKCA, C-tick C and RoHS Compliant.

80MHz - 2.7GHz). Emissions: EN 61000-6-4

EMC: Immunity: EN 61000-6-2 (EN 61000-4-3 10V/m