

Terminal Protection to IP20

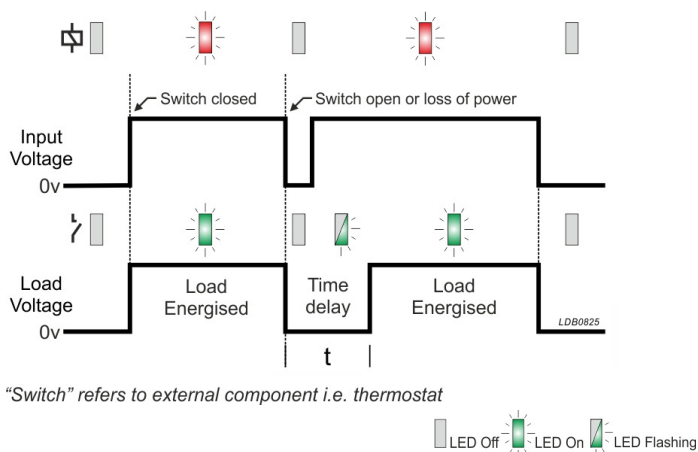


Dims: to DIN 43880
W. 17.5mm

- Protects compressor in refrigeration, air conditioning and heat pumps against premature cycling
- Prevents re-starting of compressor until time delay "lockout" period has completed
- Works with anticipator thermostats
- Fixed time delay of 3 minutes
- Red LED indication for supply status
- Green LED indication for output/timing status
- Solid state control with 1A max. switching capacity
- Designed for 24VAC low voltage control
- Easy to install
- Compact dimensions
- DIN Rail or Surface mounting



FUNCTION DIAGRAM



INSTALLATION

- BEFORE INSTALLATION, ISOLATE ALL SUPPLIES
- Connect the unit as per the diagram below.
- Note this unit is designed for **24VAC operation only**.



Installation work must be carried out by qualified personnel.

Applying power/operation

- Apply power to the timer. The red LED ① will illuminate.
- The external load will energise and green LED ② illuminate confirming the output is active.
- When power is removed, the load will de-energise. Both LEDs will extinguish. The time delay period "t" will now commence.
- Even if power is re-applied, the time delay period must have finished before the load will energise again.

Troubleshooting

- Check all connections are good to the timer and external devices.
- If the external load fails to operate, ensure the voltage is within the operating limits as specified in the technical specification on the right.
- Ensure that the time delay period has completed.

TECHNICAL SPECIFICATION

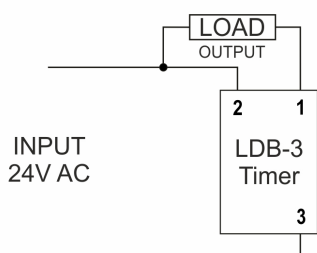
Voltage rating Un:	24VAC
Frequency range:	48 – 63Hz
Supply variation:	75 – 125% Un
Brownout threshold:	<19VAC
Return voltage:	>20VAC
Power consumption:	1.5W
Time delay (t):	3 minutes (fixed)
Time delay tolerance:	± 10%
Repeat accuracy:	± 5% at constant conditions
Reset time:	60ms
Power on indication:	Red LED
Output status/timing:	Green LED
Ambient temp:	-20 to +60°C
Relative humidity:	+95%
Output:	Solid state
Load current rating:	Min. 40mA Max. 1A
Load type:	Inductive or Resistive
Housing:	Grey flame retardant UL94
Weight:	≈ 46g
Mounting option:	On to 35mm symmetric DIN rail to BS EN 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:	Max. 2.5mm ² solid or stranded
Terminal screw:	M2.5, Combi-screw
Tightening torque:	0.4Nm Max.
Approvals:	Conforms to: IEC 60664-1, IEC 60947-1, UL508 CE, UKCA and RoHS Compliant.

LED STATUS TABLE

STATUS	RED ①	GREEN ②
ON	DEVICE ON	OUTPUT ON
FLASHING	SUPPLY BELOW THRESHOLD ¹	TIMING
OFF	DEVICE OFF	OUTPUT OFF

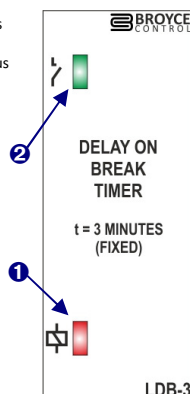
¹ Threshold voltage is <19VAC

CONNECTION DIAGRAM



FRONT PANEL LAYOUT

- Power supply status LED (Red)
- Output/timing status LED (Green)



DIMENSIONS

