

Terminal Protection to IP20



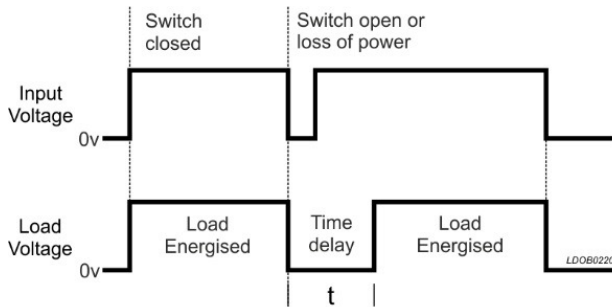
Dims: to DIN 43880 W. 17.5mm

- 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
- Two fixed time delays to choose from - 3 or 5 minutes\* (factory set)
- Simple 2-wire connection
- Solid state control with 1.5A switching capacity
- Designed for 24VAC low voltage control
- Easy to install
- Compact dimensions
- DIN Rail or Surface mounting



ISO 9001:2015  
Cert. No. 14125771

### FUNCTION DIAGRAM



### TECHNICAL SPECIFICATION

Voltage rating Un:	24VAC
Frequency range:	48 – 63Hz
Supply variation:	75 – 125% Un
Time delay (t)*:	3 minutes (Model LDOB-3) 5 minutes (Model LDOB-5)
Repeat accuracy:	± 0.5% at constant conditions
Ambient temp:	-20 to +60°C
Relative humidity:	+95%
Output:	Solid state
Output rating:	1.5A
Housing:	Grey flame retardant UL94
Weight:	<45g
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	≤ 2 x 2.5mm <sup>2</sup> solid or stranded
Approvals:	Conforms to: IEC 60664-1, IEC 60947-1, UL508 CE, UKCA and RoHS Compliant.

### INSTALLATION

- BEFORE INSTALLATION, ISOLATE ALL SUPPLIES
- Connect the unit as per the diagram below.
- The timer should be connected so that it is in series with the Thermostat and Contactor.



Installation work must be carried out by qualified personnel.

#### Applying power/operation

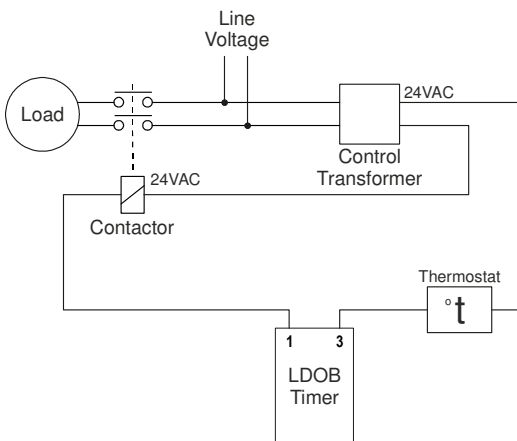
- Apply power to the application and providing the thermostat is closed, the contactor will energise and load (compressor) will operate.
- As soon as the thermostat opens, the contactor and load will de-energise. The time delay period "t" will now commence.
- Even if the thermostat closes again, the time delay period must have finished before the contactor/load are energised again.

#### Troubleshooting

- Check all connections are good to the timer and external devices.
- If the contactor/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.

\* Model to be specified when ordering

### CONNECTION DIAGRAM



### DIMENSIONS

