ONRON Industrial Automation | • Global

Power OFF-delay Timer

H3DT-HCL AC100-120



Image

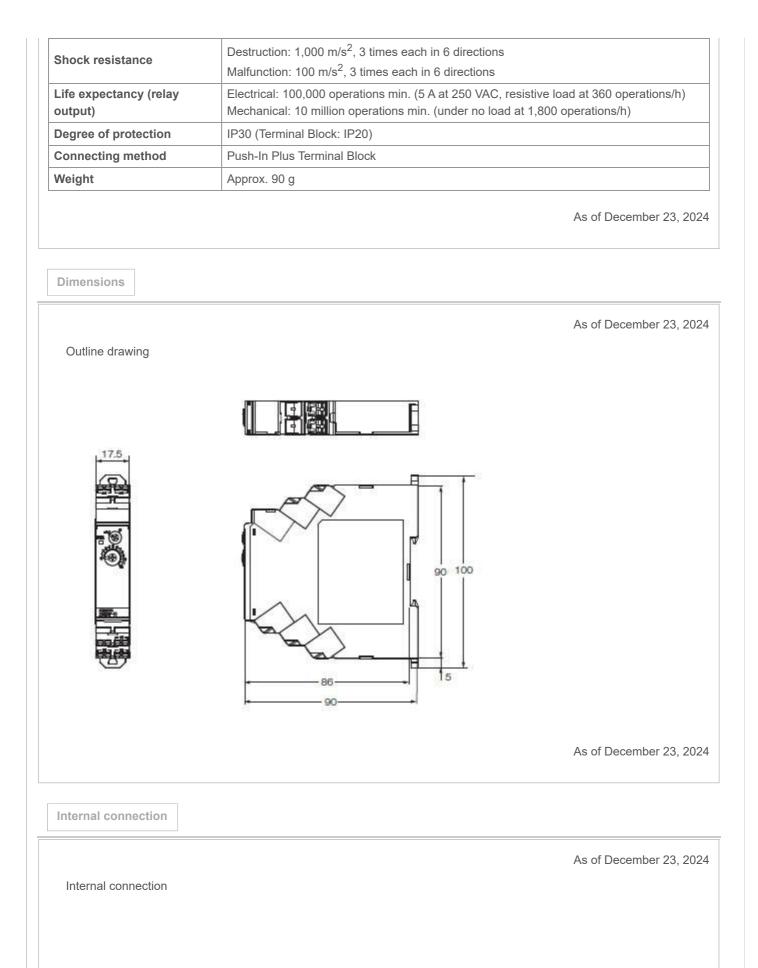
Ratings/Specifications

Power OFF-delay Timer, 100 to 120 VAC, Time range 1 to 120 s

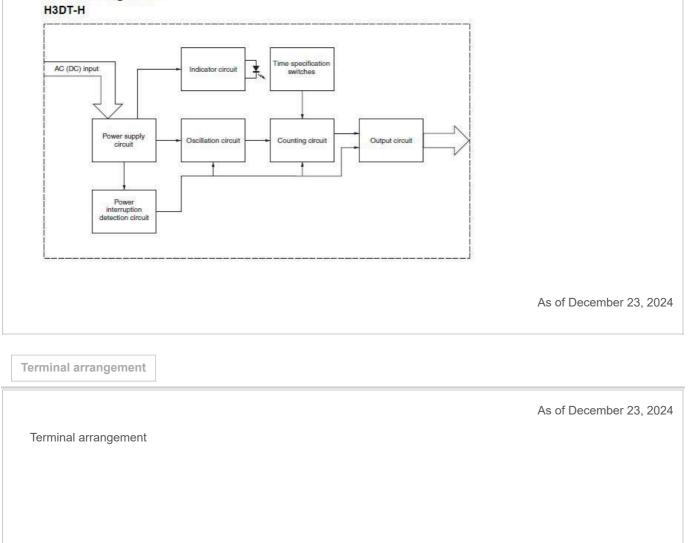
Rated power supply voltage	100 to 120 VAC 50/60 Hz
Control output (Type)	Relay output (SPDT)
Operating resetting	Instantaneous operation/Time-limit reset
Connecting method	Push-In Plus Terminal Block

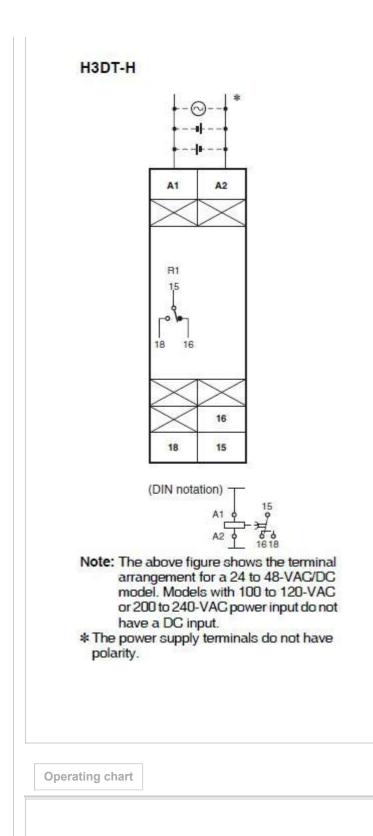
As of December 23, 2024

Rated power supply voltage	100 to 120 VAC 50/60 Hz	
Allowable voltage variable range	85% to 110% of rated voltage	
Power consumption	Approx. 8.8 VA (at 120 VAC)	
Number of time ranges	2	
Operation mode	Power OFF-delay	
Control output (Type)	Relay output (SPDT)	
Operating resetting	Instantaneous operation/Time-limit reset	
Ambient temperature range	Operating: -20 to 60 °C (with no icing) Storage: -40 to 70 °C (with no icing)	
Ambient humidity range	Operating: 25 to 85 %	
Accuracy of operating time	±1% FS max.	
Setting error	±10% FS ±0.05 s max.	
Influence of voltage	±0.5% FS max.	
Influence of temperature	±2% FS max.	
Insulation resistance	100 MΩ min. (at 500 VDC)	
Dielectric strength	Between charged metal part and operating section: 2,900 VAC 50/60 Hz for 1 min Between control output terminals and operating circuit: 2,000 VAC 50/60 Hz 1 min Between non-continuous contacts: 1,000 VAC 50/60 Hz 1 min	
Impulse withstand voltage	Between power terminals: 5 kV Between conductor terminal and operating section: 7.4 kV	
Noise immunity	± 1.5 kV (between power terminals), square-wave noise by noise simulator (pulse width: 100 ns/1 $\mu s,$ 1-ns rise)	
Static immunity	Mulfunction: 4 kV, Destruction: 8 kV	
Vibration resistance	Destruction: 10 to 55 Hz, 0.75 mm single amplitude each in 3 directions for 2 h Malfunction: 10 to 55 Hz, 0.5 mm single amplitude each in 3 directions for 10 min	



Block Diagrams



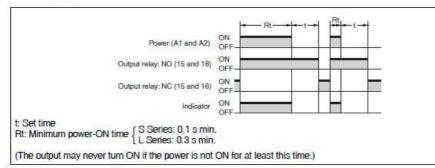


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Operating chart

Timing Charts



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