Code No. LIT-1921570
Issued January 15, 2008

M-2500

Solar Compensator

Description

The M-2500 Solar Compensator is a non-directional device used to compensate for the solar effects on buildings. The unit consists of a black coated aluminum collector contained in a sealed, transparent enclosure. The collector is designed to accept either a Cybertronic nickel wire sensing element or a pneumatic T-5210 bulb.

Refer to *M-2500 Solar Compensator Product Bulletin (LIT-7171110)* for important product information.

Features

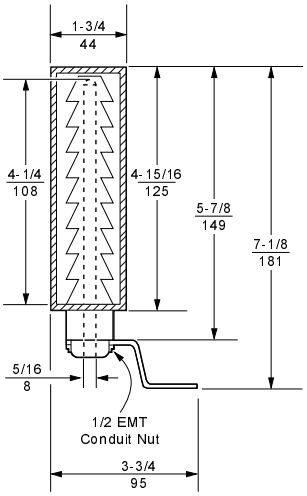
- may be mounted with the bracket, provided in either a horizontal or vertical position
- non-directional due to the “pine-cone” shape of its collector
- packed with thermal grease to ensure proper thermal conductivity

Technical Specifications

M-2500-1 Solar Compensator		
Compatible Sensors		T-5210 Bulb Element
		TE-6000 Series Nickel Wire Elements
Response Time		Time constant is 25 minutes from full sunlight to darkness or vice-versa
Sensitivity		Varies from 0 to 50°F with amount of sunlight received
Ambient Temperature Limits		-40°F (-40°C) to 120°F (49°C)
Mounting	**Pneumatic**	With bracket provided
	Electronic	With bracket provided or to electrical conduit box
Material	**Enclosure**	Transparent polycarbonate
	Collector	Black coated aluminum

Selection Chart

Code Number	Description
M-2500-1	M-2500 Solar Compensator



M-2500 Dimensions, in./mm

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Repair Information

If the M-2500 Solar Compensator fails to operate within its specifications, replace the unit. For a replacement compensator, contact the nearest Johnson Controls® representative.