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MODEL 20035

LOAD CELL LIGHTNING ARRESTOR

FEATURES

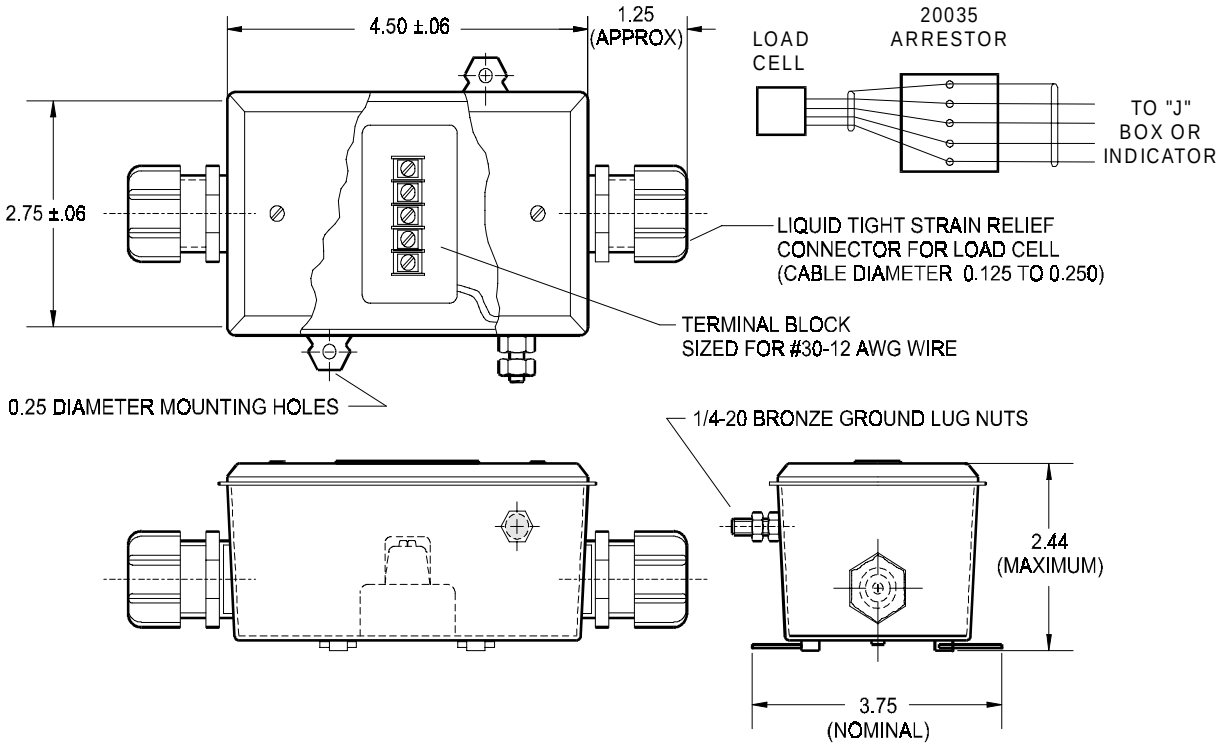
- Protects load cells from lightning induced power surges
- Solid state passive device
- Requires no power
- Automatic reset
- Requires no maintenance
- Mounted in weathertight enclosure



ISO 9001

Model 20035 Performance Specifications

Parameter	Rating
Threshold Voltage	90 Volts ± 20%
Response Time:	
•Rated	100 Nano Seconds (max.)
•Typical	5 Nano Seconds (max.)
Extinguishing Voltage	60 Volts (reset point)
Peak Current Capability	5,000 Amps
Insulation Resistance	10,000 Meg Ohms



INSTALLATION GUIDELINES FOR THE MODEL 20035 LOAD CELL LIGHTNING ARRESTOR

The Model 20035 Load Cell Lightning Arrestor is installed in series with the cable leads to the load cell. Its physical location from the load cell is critical to its effectiveness, and it is recommended that the arrestor be installed within one foot of the cell for best protection.

1. Mount the arrestor approximately 1 foot from the load cell to be protected, using the fold tabs protruding from the base of the arrestor.
2. Cut the load cell cable and strip outside jacket and insulation on each wire sufficient to facilitate attachment to the arrestor terminal block. Terminals are provided for each wire plus the shield. Connections can be made without solder or crimp lugs.
3. Optional: To prevent moisture entering the load cell by capillary action through the cable leads, seal the cable ends where the insulation was stripped back with RTV or other suitable waterproof compound.
4. Install the arrestor lid securely and tighten the cable gland fittings.
5. Proper grounding of the arrestor is essential for proper operation of the system. The ground lugs provided must be connected to a "solid earth ground." This may or may not be the same as normal scale or system ground. For detailed information, consult the scale manufacturer.

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