

Vendor Confirmation for Technical Specifications

SL.No	Item Details and Technical Specifications	Qty Nos	Vendor Remarks/confirmation
1.	Flame Detector Relay Specification: Supply: 220 V, 50/60Hz +/- 10% Operating temperature: 0 to 60°C or better Case Protection Degree: IP40 or better Power consumption in running: 5 VA or lower Contact rating: At least one relay of 5A 250 V AC. Vendor to specify others External Fuse (F): to be provided. Vendor to specify fuse rating Minimum ionization current: 0.5mA or better. Should be compatible with both UV tube and electrode Reaction time: < 1s or better Installation: should be compact and easy. Connecting socket with screws or fast-on terminals preferable Socket type: AB Standards: EN 60730 or equivalent Signal indications: with LEDs of different colours (green (POWER) and red (FLAME) preferable). Electrical service life at max. declared loading > 150000 operations or higher Warranty: at least 1 year from date of acceptance Preferred makes: Brahma, Satronic, Honeywell, Kromschroder, Eclipse, Hauck, Crescent Combustion or other makes acceptable to BHEL NOTE: Detailed product catalogue to be enclosed with the offer.	10	
2.	UV Flame Detector and Relay Specification of FLAME DETECTOR: Application: detection of ultraviolet radiation emitted by combustion flames Principle: UV-cell Fuel: LPG Burner type: High velocity gas burners (existing burner model: Eclipse TJ 050) Mounting: Bracket (screw) Housing: SS Operation Mode: Intermittent Supply Voltage: 230V AC +/- 10% Supply Frequency: 50Hz +/- 10% Flame colour: Blue (intermittent yellow) Viewing angle: End, side on flame monitoring Wiring Connections: Two color-coded leadwires of at least 5 ft in length Dimensions: Vendor to specify, diameter shall be approx. 22mm Sensitivity: High (spectral sensitivity of the UV cell shall ensure it should not react visible or IR light) Typical lifetime of UV cell: vendor to specify (preferably more than 5000 hours) Warranty: at least 1 year from date of acceptance Reference Model: Honeywell C7044A Minipeeper	10	

	Specification of FLAME DETECTOR RELAY: Application: signal the presence or absence of a flame or ultraviolet (UV) light, shall be compatible with the flame detector above Electrical rating: 115Vac, 230Vac (+ 10 % to - 15%), 50/60 Hz. Contact: 2 isolated DPDT contacts. Rating: 2A at 0.65 power factor. Ambient temperature limits: -10 to + 60 °C or better Maximum relative humidity:90% RH at + 40 ° C or better Degree of protection: IP40 Flame failure response time: Less than one second Dimensions: Vendor to specify Indications: flame present (LED) Flame current checking (optional): Test jack socket preferable Warranty: at least 1 year from date of acceptance Reference Model: Honeywell R4343E1048-ST005 Preferred makes for both flame sensor and relay: Brahma, Satronic, Honeywell, Kromschroder, Eclipse, Hauck, Crescent Combustion or other makes acceptable NOTE: 1. Detailed product catalogues to be enclosed with the offer 2. Different makes of both items are acceptable provided they should be compatible with each other		
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Vendor Seal & Sign