

Low Water Cut-Offs – Commercial

Safgard™ 500 Series

- Manual Reset
- Burner Circuit Test Button
- LED Indicating Lights
- Meets ASME CSD-1 Requirements for Commercial Water Boilers

Specifications	Model 500	Model 550
Power Consumption	2 VA	4 VA
Switching Capacity	50 VA	5.8 FLA, 34.8 LRA
Switch Contacts	SPDT	SPDT
Max. Pressure	160 PSI	160 PSI



MODEL	VOLTAGE	DESCRIPTION/OPERATION
500	24 VAC	Interrupts power immediately in a low water condition. Burner circuit locks-out if water remains below probe for 30 seconds. Manual reset will not trip due to power failures. Test button checks burner circuit to ensure proper control operation and lock-out function without lowering the water level. <i>Note: Can also be used as a secondary cut-off on steam boilers (see page 12)</i>
550	120 VAC	

Safgard™ 600 Series

- Automatic Reset
- Burner Circuit Test Button
- LED Indicating Lights



Specifications	Model 600	Model 650
Power Consumption	2 VA	4 VA
Switching Capacity	50 VA	5.8 FLA, 34.8 LRA
Switch Contacts	SPDT	SPDT
Max. Pressure	160 PSI	160 PSI

MODEL	VOLTAGE	DESCRIPTION/OPERATION
600	24 VAC	Interrupts power immediately in a low water condition. Automatically restarts burner on return of water level. Test button checks burner circuit to ensure proper control operation without lowering the water level.
650	120 VAC	

Safgard™ 700 Series

- Manual Reset
- LED Indicating Lights



Specifications	Model 700	Model 750
Power Consumption	2 VA	4 VA
Switching Capacity	50 VA	5.8 FLA, 34.8 LRA
Switch Contacts	SPDT	SPDT
Max. Pressure	160 PSI	160 PSI

MODEL	VOLTAGE	DESCRIPTION/OPERATION
700	24 VAC	Interrupts power immediately in a low water condition. Burner circuit locks-out if water remains below probe for 30 seconds. Manual reset will not trip due to power failures. <i>Note: Can also be used as a secondary cut-off on steam boilers (see page 12)</i>
750	120 VAC	

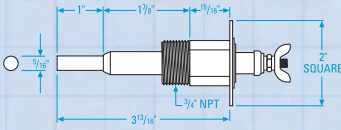
Probe Options/Specifications

Add letters in the chart below to the base model number to specify other probe options. (Example: CG450P)

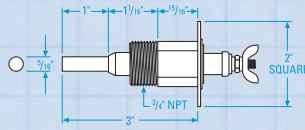
MODEL SUFFIX	PROBE MODEL DESIGNATED	PROBE DESCRIPTION
SV	EL1214-SV	3/4" NPT. Short Inside Dimension. Designed for installation in standard reducing tee and short clearance installations.
SVA	EL1220-SV	1/2" NPT. Short Inside Dimension. Designed for installation in standard reducing tee and short clearance installations.
P	EL1214-P	3/4" NPT. Long nut for thicker boiler jackets.
A	EL1220	1/2" NPT. Same dimensions as standard EL1214.
R	EL1214-R	3/4" NPT. Remote mount probe mounted to j-box (standard dimensions).
RA	EL1220-R	1/2" NPT. Remote mount probe mounted to j-box (standard dimensions).

Test pressure 1000 PSI, all models.

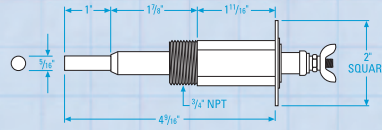
Note: All controls include one EL1214 probe unless otherwise specified.



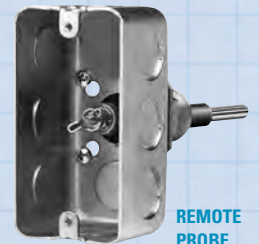
EL1214 STANDARD 3/4" NPT
EL1220 1/2" NPT



EL1214-SV 3/4" NPT
EL1220-SV 1/2" NPT



EL1214-P 3/4" NPT



REMOTE PROBE
EL1214-R
EL1220-R

Manifold Fittings



1214C-1



711C



250C



1" H.P. TEE



1214C-2



FOEM

MODEL	MAX. PSI	DESCRIPTION
1214C-1	250	1" x 1" x (3) 3/4". Three-probe manifold with tri cock and gauge glass tapplings. Supplied with control models LCFT 967, 250WC, 250MWC.
711C	35	Two-probe manifold. Supplied with control models 711 and 724.
250C	250	1" x 1" x (3) 3/4". Three-probe manifold. Supplied with control models 250 and 250M.
1" H.P. TEE	250	1" x 1" x 3/4". High Pressure Tee for use with EL1214-SV probe .
1214C-2	250	1" x 1" x 3/4". One-probe manifold.
FOEM-1	160	One-probe manifolds.
FOEM-2	160	FOEM-1 is 1/2" x 1/2" x 3/4"; FOEM-2 is 1" x 1" x 3/4"; FOEM-3 is 1/4" x 1/4" x 3/4".
FOEM-3	160	