

Low Water Cut-Offs – Residential/Commercial

Safgard™ 400 Series

- 15 Second Burner Off Delay
- 30 Second Burner On Delay
- Automatic Reset
- Low Water Indicating Light
- Direct Boiler Mounting – Eliminates Blowdowns

Specifications	Model 400	Model 450
Power Consumption	2 VA	4 VA
Switching Capacity	50 VA	5.8 FLA, 34.8 LRA
Switch Contacts	SPDT	SPDT
Max. Steam Pressure	15 PSI	15 PSI



MODEL	VOLTAGE	DESCRIPTION/OPERATION
400	24 VAC	Burner circuit contacts open after 15 second delay in a low water condition. Delay prevents short cycling caused by momentary fluctuations in the boiler water level. Automatically reactivates burner circuit 30 seconds after water reaches the probe, allowing optional water feeder to raise water level above the probe. See page 14 for information on VXT Water Feeder.
450	120 VAC	

Safgard™ 711 and 724 Series

- Low Water Cut-Off for Sight-Glass Attachment
- Two Probe Design
- Automatic Reset
- Includes Quick Hook-Up Fittings for 8" to 14" Sight Glasses

Specifications	711 Series	724 Series
Power Consumption	8 VA	7 VA
Switching Capacity	50 VA	5.8 FLA, 34.8 LRA
Switch Contacts	SPDT	SPDT
Max. Steam Pressure	35 PSI	35 PSI



MODEL	VOLTAGE	DESCRIPTION/OPERATION
724CF	24 VAC	Mounts to sight glass tappings. Maintains water level between two probes. Includes 711C manifold, two model EL1214 probes and quick hook-up fittings. <i>Note: The 711 & 724 Series is recommended for use on older boilers that do not have tappings suitable for Safgard 400 and CycleGard 400 Series cut-offs.</i>
711CF	120 VAC	
724WF	24 VAC	Same as CF models (described above), includes water feed valve assembly.
711WF	120 VAC	

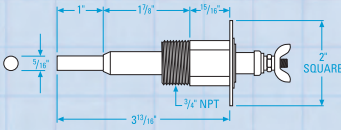
Probe Options/Specifications

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

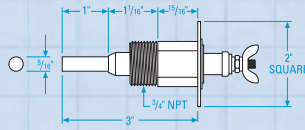
MODEL SUFFIX	PROBE MODEL DESIGNATED	PROBE DESCRIPTION
SV	EL1214-SV	3/4" NPT. Short Inside Dimension. Designed for installation in standard reducing tee and short clearance installations.
SVA	EL1220-SV	1/2" NPT. Short Inside Dimension. Designed for installation in standard reducing tee and short clearance 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.

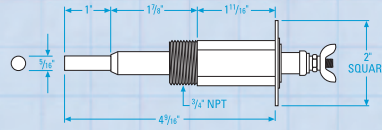
Note: All controls include one EL1214 probe unless otherwise specified.



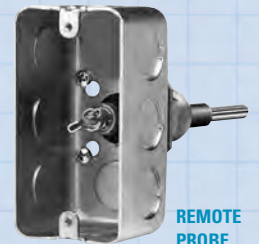
EL1214 STANDARD 3/4" NPT
EL1220 1/2" NPT



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 tappings. 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	