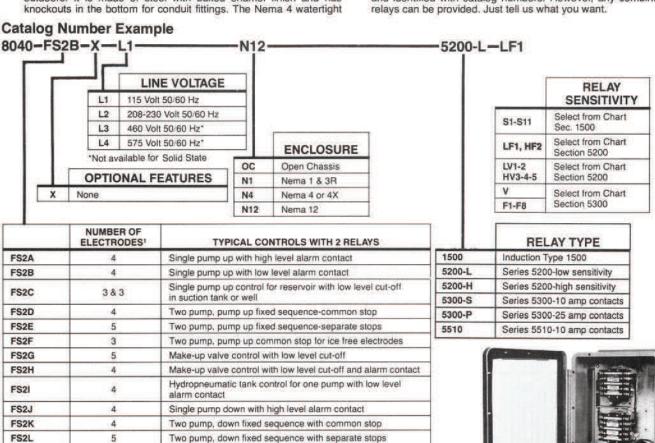


FIXED SEQUENCY PANELS

These arrangements minimize installation time and costs by combining 2 or 3 control functions into a single control panel. All wiring connections between the BIW relays are made in our shop. Field wiring is made to the rugged terminals of the BIW relays and a system wiring diagram is provided which clearly shows all required external connections to the electrodes and other devices.

The standard enclosure is rated Nema 3R for location indoors or outdoors. It is made of steel with baked enamel finish and has enclosure is fiberglass. It meets the Nema 4X corrosion resistance standards and suitable aluminum conduit hubs are furnished loose for field mounting. Nema 12 enclosures are available to meet industrial requirements, or the relays can be furnished as open chassis on a back plate for field mounting into an electrical panel.

Several of the most common control combinations are listed below and identified with catalog numbers. However, any combination of

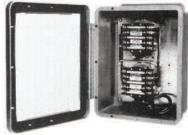


Single pump down with heater cut-off for ice-free electrodes

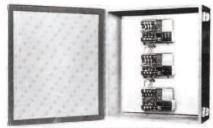
High and low level alarm, 1 N.O. and 1 N.C. contact

High and low alarm contacts for ice-free electrodes

	NUMBER OF ELECTRODES ¹	TYPICAL CONTROLS WITH 3 RELAYS
FS3A	5	Single pump up with high and low level alarm contacts
FS3B	6	Single pump up with high level alarm contact and low level cut-off and alarm contacts
FS3C	5	Single pump up with high and low level alarm contacts for ice-free electrode assembly
FS3D	5	Three pump, pump up with common stop electrode
FS3E	5	Single pump down with high and low level alarm contacts
FS3F	5	Two pump down common stop with high level alarm contact
FS3G	5	Three pump down fixed sequence with high level alarm contact when third pump is required
FS3H	5	Make-up valve control with high and low level alarm contacts
FS3I	4	Make-up valve control with high and low level alarm contacts for shallow tank ice-free electrode assembly
FS3J	4	Make-up valve control with high and low level alarm contacts for standard ice-free electrode assembly
FS3K	4	Three level indication with 1 N.O. and 1 N.C. contacts



Two Type 1500 Relays In NEMA 4 Enclosure



Three Type 5200 Relays In NEMA 12 Enclosure

NOTES: 1. A common electrode is included and it may be omitted if a dependable ground return connection to the liquid is provided by other means.

2. The alarm contacts provided close on alarm condition. Other controls can be furnished with contacts that open on alarm condition.

FS2M

FS2N

FS20

3

3

2