

VARIABLE SPEED JOCKEY PUMP CONTROLLER

The variable speed jockey pump controller shall be a model JPV as manufactured by Tornatech and rated for:

_____ V. / _____ HP / _____ phase / _____ Hz.

APPROVAL AND LISTINGS

The variable speed jockey pump controller shall meet the requirements of UL508A.

ENCLOSURE RATING

The standard enclosure shall be NEMA 2 with ventilation louvers

OPERATIONAL COMPONENTS

The variable speed jockey pump controller shall be supplied with the following door mounted components approved to match the NEMA rating of the enclosure.

- One main fused main disconnect switch complete with door interlock and padlock provision in the OFF position
- One Hand-Off-Auto rotary type selector switch

The following control components shall be mounted inside the controller:

- One voltage and horsepower rated variable speed drive

VARIABLE SPEED DRIVE

The variable speed jockey pump controller shall be supplied with a variable speed drive to perform the automatic sequence of operation. The variable speed drive shall be mounted inside the controller and have a high luminosity LED digital display which shall display the following:

- System Pressure
- Cut-In pressure setting
- Cut-out pressure setting
- Minimum Run Period Timer
- Motor running
- Power on

The system pressure indication shall be continuously displayed.

PRESSURE SENSING DEVICE

The variable speed jockey pump controller shall be supplied with a 316 stainless steel pressure transducer rated for fresh water operational between 0 and 300psi. The pressure transducer shall be used to display the pressure in the sprinkler system and also control the automatic start sequence. The pressure transducer shall be installed inside the controller directly mounted to a bulkhead allowing for an external connection to the sprinkler system sensing line



STANDARD OPTIONS

The variable speed jockey pump controller shall be supplied with the following options.

- Minimum run period timer
- RUN green pilot light
- POWER ON white pilot light
- Elapsed time meter
- MOTOR RUN alarm contact
- LOSS OF POWER alarm contact
- OVERLOAD or SHORT CIRCUIT alarm contact
- OVERLOAD red pilot light
- NEMA/UL/CSA 12 enclosure
- NEMA/UL/CSA 3R enclosure
- NEMA/UL/CSA 4 enclosure
- NEMA/UL/CSA 4X 304 stainless steel enclosure
- NEMA/UL/CSA 4X 316 stainless steel enclosure
- Pressure transducer 316 stainless steel rated for 0-600psi
- CE listing c/w externally mounted wetted parts
- Externally mounted wetted parts
- Export packaging
- French labels
- Spanish Labels
- Labeling in language other than English, French or Spanish
- Audible alarm
- Anti-condensation heater and thermostat
- Anti-condensation heater and humidistat
- Tropicalization
- Phase reversal/failure pilot light and alarm contact
- Control power healthy pilot light and alarm contact
- Pump failure via current sensing relay
- Low zone pump control function
- Mid zone pump control function
- High zone pump control function
- Selector switch in AUTO alarm contact
- Selector switch in OFF or Manual alarm contacts
- Motor heater circuit
- Service entrance rated