



SPECIFICATIONS FOR MODEL JP JOCKEY PUMP CONTROLLER MICRO PROCESSOR BASED WITH *iPD+* OPERATOR INTERFACE

Jockey Pump Controller

The jockey pump controller shall be a model JP as manufactured by Tornatech and rated for ____V. / ____ HP / ____ phase / ____ Hz. It shall be factory assembled, wired, and tested and specifically designed for maintaining the desired water pressure in a fire pump serviced sprinkler system. This controller shall be of the same manufacturer as the main fire pump controller.

Approvals

The jockey pump controller shall be listed by CSA and UL508A.

Construction

The jockey pump controller shall be equipped with an across the line electric motor starter incorporating a horsepower rated disconnect switch, a thermo-magnetic motor protector and a motor contactor. The enclosure shall be a wall mountable NEMA Type 2. The control circuit shall include a transformer with 24V.AC secondary.

Operator Interface

The jockey pump controller shall be equipped with an operator interface with touch-pad type pushbuttons and a high luminosity LED digital display. The operator interface shall monitor and display motor operating conditions and pressure conditions. The operator interface shall be fully accessible without opening the controller door.

Visual Indications

The operator interface shall indicate:

- Manual motor run LED
- Automatic motor run LED
- Motor overload
- System pressure
- Start pressure
- Stop pressure
- System pressure above stop pressure LED
- System pressure in between start and stop pressure LED
- System pressure below start pressure LED
- Controller in AUTO mode
- Controller in OFF mode
- Pump start counter
- Elapsed time meter (hours / non-resettable)

Timers

The jockey pump controller shall be supplied with a minimum run period timer and a sequential start timer.

Solid State Pressure Transducer

The jockey pump controller shall be supplied with a 316 stainless steel pressure transducer rated for fresh water operational between 0 and 600psi. The pressure transducer shall be used to display the pressure in the sprinkler system and also control the automatic start circuit. The pressure transducer shall be installed inside the controller mounted directly to a bulkhead allowing for an external connection to the sprinkler system sensing line.