

Motorola has upgraded the MIR 5000 Irrigation Controller. The new designation, MIR 5000F-MW provides even more control functions based on flow. Badger Meter products provide the flow signal input to the Motorola system.

The Badger Meter products consist of an impeller-style sensor mounted on the pipe and a signal converter usually mounted in the controller pedestal.

THE SENSOR

Advantages of Badger Meter over other types of flow meter are:

- 1) Insert Style - Allows easy installation via saddle on any size pipe.
- 2) Non-Magnetic Detector - Prevents fouling by rust and scale. Detects lower flow rates.
- 3) The sensor may be located up to 2000 feet away from the controller.

Although any Badger Meter sensor may be used, the most popular are the 220B standard sensor and 225B Hot Tap style with isolation valve. Both may be used on any pipe size above 2 ½" with a 2" NPT saddle. The 225B offers an isolation valve that allows the sensor to be removed from the pipe for service without draining or depressurizing the pipe.

THE SIGNAL CONDITIONER

The signal conditioner receives a high frequency signal from the sensor and converts it to a scaled pulse. The scaling may be selected in the field, resulting in a number of gallons (or cubic feet or liters) per pulse. Do not scale the pulse rate to exceed 12 pulses per minute.

Example: If the maximum flow rate is 500 GPM, scale the

pulse rate at 1 pulse equals 100 gallons. This will produce 5 pulses per minute. Do not scale it at 1 pulse equals 10 gallons, because this would produce 50 pulses per minute. Scaling instructions are provided in the Badger Meter Owner's Manual.

CHOICE OF CONDITIONERS

If local display is not required, the Series 320 or older Series 600 Pulse Scaling transmitters can be used. (Series 320 is shown in the wiring example.)

If a local display is desired, the Series 1500 ordered with the Pulse Relay Option (1500-x1x, or 1500-x3x) is a good choice.

For assistance, sales and technical information can be found at www.dataindustrial.com

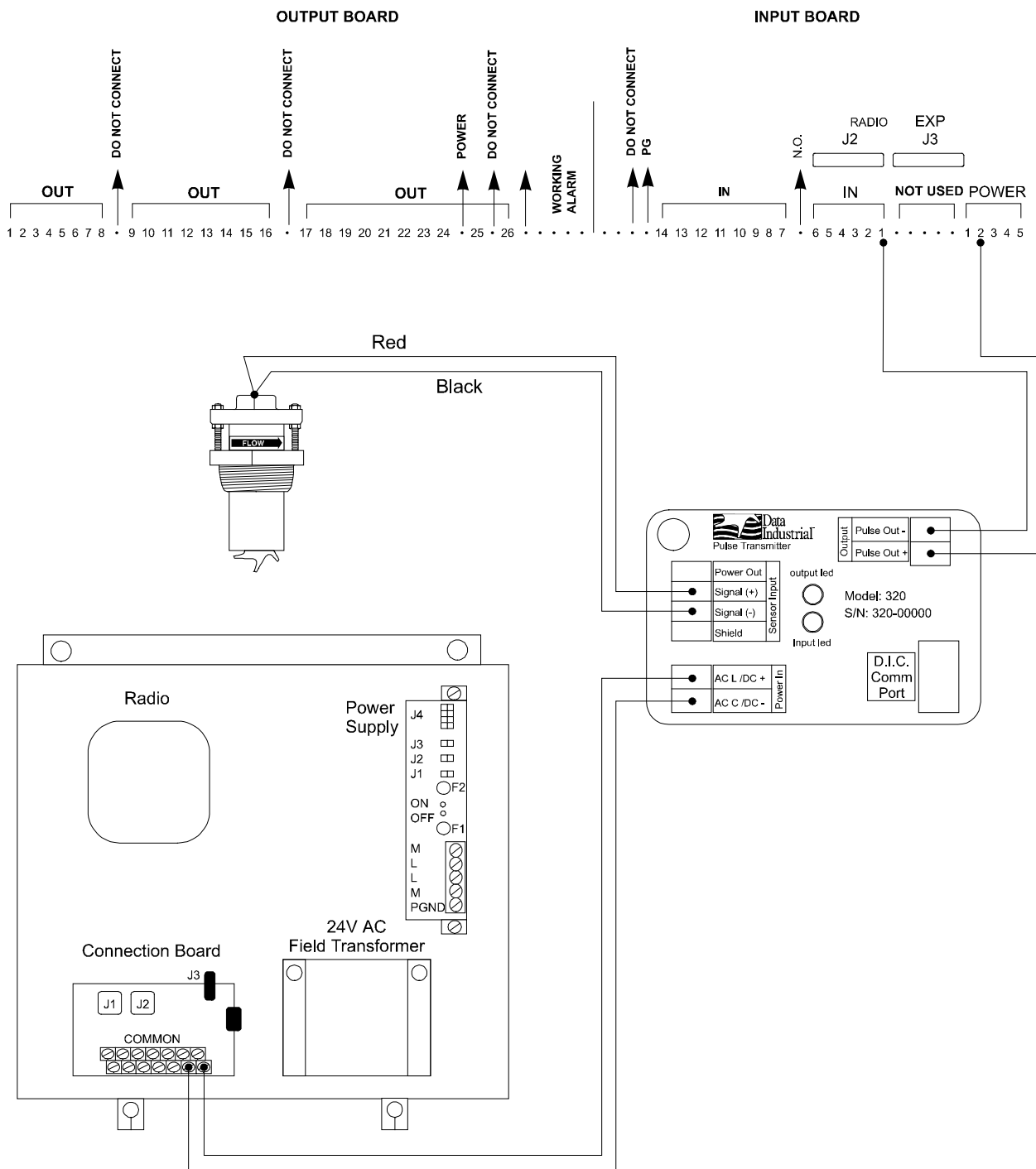
WIRING DIAGRAM

Please wire according to the following instructions.

Note: If using a Model 600 with a grounded sensor shield wire, do not connect the bare sensor wire to ground - Damage to the equipment will occur! See diagram on the other side.



MIR5000F - MW BASIC UNIT



Power Supply

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