



PD-100 – Pump Decoder

Smart Irrigation
From the Ground Up

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The Tucor PD-100 Pump Decoder provides an interface between a Tucor controller and an external motor starter circuit. It receives control power and signals via the two-wire path and provides a Normally Open / Normally Closed contact for start control. The pump decoder contains a

microprocessor that provides features for controlling and testing. The address can be selected in the field and contains an OFF and TEST position. The PD-100 mounts in a standard octal-style socket for ease of installation and testing.

SPECIFICATIONS

FEATURES:

Mounts in standard 11-pin octal-style socket (included) for ease of installation. Socket keyed for DIN rail mounting.

Supports six independent, field selectable addresses: 284, 286, 287, 292, 293, 295.

Contains integral OFF and TEST positions for isolating and testing local starter circuit.

Easily viewable, top-mounted LED that turns on when active.

Socket supports up to 12 AWG two-wire path and control circuit wiring.

Contains a Normally Open and Normally Closed contact rated at 24VAC @ 8A.



PD-100
Pump Decoder
in octal socket

Note:

The PD-100's contains a single dry contact closure. It serves to energize the actual pump start relay, whose contacts are electrically rated large enough to start the pump itself. Closing these contacts typically requires a fairly large relay, the "pump starter holding coil", shown below. This large holding coil requires a great deal of electrical current. *The 2-wire path is not designed to supply enough current to energize a pump start relay.* The customer must supply an additional transformer that is sized (voltage and current) to match the holding coil. See the diagram below.

