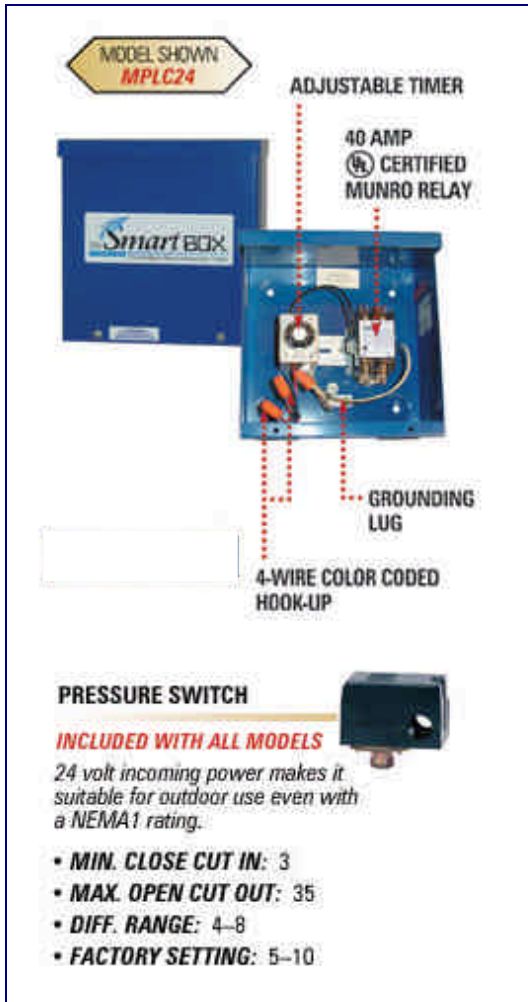


# The Rain Well



The **Munro SmartBOX™** works under the simple theory that a

pressure is built up in the volute of the pump when a pump is working at optimal efficiency. If this pressure does not exist, there is a problem within the pumping system.

The SmartBOX™ monitors this pressure through the use of a pressure switch located on the discharge side of a pump. At the beginning, or anytime during a zone cycle, if water is not available, the pressure will drop within the pump and the pressure switch will signal a timer to begin counting. If pressure has not built up over the timer cycle, the timer signals the pump to shutdown to save itself before damage occurs.

The nice thing about the SmartBOX™ is the resetting of the pressure switch is automatic. The next watering cycle after a shut down will have the same opportunity to build pressure. Since the switch measures lack of

pressure, as long as the pump is capable of rebuilding and maintaining pressure, the pump will be allowed to run normally.

## SmartBOX™ FEATURES

- Completely automatic and hands-free pump protection
- Bridges the gap between 24 volt lawn controllers and 110/220V pump motors
- Serves as a pump start relay plus offers pump shut-down protection if source water is not available
- One model works for all pumps from ¾ HP to 7-1/2 HP\*
- Color coded wiring for easy installation
- Optional high temperature protection—protects pipe workings and pump in “dead-head” situations. Activates shut-down process at 105 degrees
- Available with thermal overload protection for pumps of 3 HP and over
- Automatically resets pressure switch at each cycle
- Switches lawn controller to a domestic water alternative if the pump’s primary source water is not available\*\*

## SmartBOX™ SPECS

Type of enclosure	Coil Voltage	HP	Part Number
MPLC	24	3/4 thru 7-1/2*	MPLC24
<b>WITH CODE-COMPLIANT THERMAL PROTECTION</b>			
MPLC	24	3	MPLC243
MPLC	110	3	MPLC1103
MPLC	220	3	MPLC2203
MPLC	24	5	MPLC245
MPLC	220	5	MPLC2205
MPLC	24	7-1/2	MPLC2475
MPLC	220	7-1/2	MPLC22075
MPLC	24	10	MPLC2410
MPLC	220	10	MPLC22010

\* National Electrical Code (NEC) states all motors will be thermally protected from excessive “amperage draw.” Most motors under 2 hp are supplied with thermal protection from the motor manufacturer. For motors over 2 hp, Code-Compliant SmartBOX™ is recommended.

\*\* Note — check with your local health dept. for regulations & requirements for backflow prevention.