

ML-Cabinet Programming Manual

ML-CABINET SINGLE THROUGH QUAD
PRO ENGINEERING

PRO ML-Cabinet Programming Manual

(For use with Johnson System 450™ controlled units)



INITIAL PROGRAMMING/FACTORY SETUP

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- After power has been applied to the unit, the display screen should illuminate and display dashed lines.

- Press and hold the up and down arrows on key pad. 
- Hold until the sensor setup screen is displayed.

- Press the forward arrow  to display sensor 1 options.
- Using the up and down  arrows, set this value to °F.

- Press **M** twice, to display the output relay screen (this button is also used to scroll through the other output relay screens).

- Press  to setup the correct sensor for this output. (only sensor one needs to be setup).

- Using the up and down  arrows, set this value to Sn-1.
- This value will need to be set to Sn-1 for all output relays.

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- Press **▶** to create the set point for circuit 1.
- Using the up and down **◀▶** arrows, set this value to 32° for circuit 1.
- Other circuits will need to be set at the following:
33° for circuit 2 (OUTR² settings)
34° for circuit 3 (OUTR³ settings)
35° for circuit 4 (OUTR⁴ settings)



- Press **▶** to set the differential for circuit 1.
- Using the up and down **◀▶** arrows, set this value to 31° for circuit 1.
- Other circuits will need to be set at the following:
32° for circuit 2 (OUTR² settings)
33° for circuit 3 (OUTR³ settings)
34° for circuit 4 (OUTR⁴ settings)



- Press **▶** to set the minimum on-time for circuit 1.
- Set this to 0.
- All circuits will use the 0 setting.



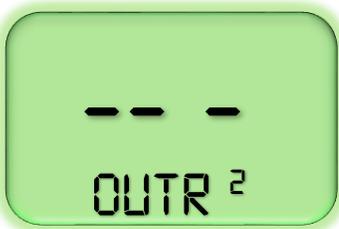
- Press **▶** to set the minimum off-time for circuit 1.
- Set this to 30.
- All circuits will use the 30 setting.

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- Press **▶** to set the sensor failure mode selection for circuit 1.
- Set to OFF.
- All circuits will use the OFF setting.



- Press **M** twice, to scroll to the next output relay setting screen.
- Use the settings outlined above for the next three output relay settings.

Once all relays have been setup, return to the main display by pressing the up and down arrows **⬆** simultaneously.