



## F4 Front Panel Lock

Watlow technical support receives calls occasionally where the user states, “I tried pressing the keys on the F4, but do not get a response.”

Digital inputs programmed for “Front Panel Lock” is the most likely cause. Any combination of the digital inputs is programmable to lock the front panel.

The first step is to check with the equipment manufacturer to determine if they enabled the “Front Panel Lock”. If the equipment manufacturer did not lock the front panel, proceed to the next step.

There are two options:

1) Since the front panel is not functional, set up is only viewable via communications.

- Connect a computer to the F4 and check the Digital input setup using Watview, (Free software download from <http://www.watlow.com/products/software/watview.cfm>)

Install and set up WatView. Once WatView is functional, select the Digital Inputs tab. To disable front panel lock, change digital input function to ‘Off’.

2) Another approach is to switch the digital inputs on the F4. See page 12.6 on the F4 manual to connect to the digital inputs. Wire the Digital inputs with resistors and switches. There are 16 possible combinations.

Combination	Digital Input			
	1	2	3	4
1	Gnd	Gnd	Gnd	Gnd
2	+5V	Gnd	Gnd	Gnd
3	Gnd	+5V	Gnd	Gnd
4	+5V	+5V	Gnd	Gnd
5	Gnd	Gnd	+5V	Gnd
6	+5V	Gnd	+5V	Gnd
7	Gnd	+5V	+5V	Gnd
8	+5V	+5V	+5V	Gnd
9	Gnd	Gnd	Gnd	+5V
10	+5V	Gnd	Gnd	+5V
11	Gnd	+5V	Gnd	+5V
12	+5V	+5V	Gnd	+5V
13	Gnd	Gnd	+5V	+5V
14	+5V	Gnd	+5V	+5V
15	Gnd	+5V	+5V	+5V
16	+5V	+5V	+5V	+5V