

Alarm Relay Jumper Placement

Checking the Alarm relay contact selection

The controller has been shipped with ALARM relays configured for Normally Closed contacts as shown in Figure 2-7. If you want to change the relay action, refer to Figure 2-7 for jumper location and Table 2-5 for Alarm Relay Contact information and reposition the jumpers on the controller board for (NO) Normally Open contacts on the alarm relay as listed below:

JUMPER POSITION	ALARM RELAY	RELAY ACTION
W106	#2	N.O.
W107	#2	N.C.
W108	#1	N.O.
W109	#1	N.C.

ATTENTION Alarm relays are designed to operate in a failsafe mode i.e. De-energized during alarm state. This results in alarm actuation when power is OFF or when initially applied, until the unit completes self-diagnostics. If power is lost to the unit, the alarms will function.

Table 2-5 Alarm Relay Contact Information

UNIT POWER	ALARM RELAY JUMPER	VARIABLE NOT IN ALARM		VARIABLE IN ALARM STATE	
		RELAY CONTACT	INDICATORS	RELAY CONTACT	INDICATORS
Off	N.O.	Open	Off	Open	Off
	N.C.	Closed		Closed	
On	N.O.	Closed	Off	Open	On
	N.C.	Open		Closed	

CAUTION When alarm or control relay are used to drive AC-powered customer solid state relays, be sure that the external relays are functioning properly. See *Subsection 2.4 - Caution Note* or *Section 9 - Troubleshooting* if the external relays are not being activated.

Figure 2-7 Alarm Relay Jumper Placement

