

VAM 12 L / LD functional update

1 Introduction

The functionality of IO-unit VAM12L / LD has been updated by a request from our customers. The update affects how the relays act upon different activation signals.

2 Functional update

The update changes the way the unit’s alarm relay behaves. Prior to the update, the alarm relay acted when any of the sensors four through ten was activated. The latching of the alarm relay depended on the position of the “latch” -dip. After the update the alarm relay acts whenever any of the trip relays (1, 2, or 3) have acted. The alarm relay is now always in latched operating mode, regardless of the dip positions. It should be noted though that in case of a very short activation pulse the trip relay (if non-latched) may not have time to actually change state. The alarm relay, however, will activate because of its latched operation mode.

More detailed information about the differences between pre- and post-update operation can be seen in the following tables.

		Output relays				Zone output
		Trip1	Trip2	Trip3	Alarm	
L>INT/EXT dip in ON POSITION	Sensor 1	x	-	-	-	-
	Sensor 2	-	x	-	-	-
	Sensor 3	-	-	x	-	-
	Sensor 4..10	-	-	-	x	x
	Zone activation	-	-	-	x	-
L>INT/EXT dip in OFF POSITION	Sensor 1	x	-	-	-	-
	Sensor 2	-	x	-	-	-
	Sensor 3	-	-	x	-	-
	Sensor 4..10	x	x	x	x	x
	Zone activation	x	x	x	x	-

Table 1. Behaviour of the output relays prior to the update. Note that the BI/O dip's position is indicated as it is found on the switch, not by the markings on the front panel.

		Output relays				Zone output
		Trip1	Trip2	Trip3	Alarm	
BI/O dip in ON POSITION	Sensor 1	x	-	-	x	-
	Sensor 2	-	x	-	x	-
	Sensor 3	-	-	x	x	-
	Sensor 4..10	-	-	-	-	x
	Zone activation	-	-	-	-	-
BI/O dip in OFF POSITION	Sensor 1	x	-	-	x	-
	Sensor 2	-	x	-	x	-
	Sensor 3	-	-	x	x	-
	Sensor 4..10	x	x	x	x	x
	Zone activation	x	x	x	x	-

Table 2. Behaviour of the output relays after the update. Note that the BI/O dip's position is indicated as it is found on the switch, not by the markings on the front panel.

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