

## Output Programs

Output program is a program with a clearly defined functionality, like a fire alarm. The output program is tied to groups and devices, such as relay card outputs. You can program an output program to operate within a specific time program and to carry out a specific output sequence. During an alarm, the output program can, for example, control a relay with a specific sequence within specific time constraints. At the same time, it can activate a siren output, which is connected to a fire alarm.



**Note!** It is recommended to program the relay card controls together with other devices in the DOORIS field bus. The following list may contain devices that do not exist. You can implement a direct device control directly to the device program.

## Programming

Function	Function Specifier	Description
GENERAL	MAIN ALARM	Includes all sabotage/alarm events: central unit sabotages, address sabotages (masking and tamper alarms), and address alarms.
	TIMED SETTING WARNING	Reservation for the warning when a timed setting is activated. The name of the output appears in the relay warning section in the time program window.
	AND-FUNCTION	Implemented when all selected output programs are active. You can only select output programs which are higher on the list (smaller number).
	OR-FUNCTION	Implemented when at least one of the selected output programs is active. You can only select output programs which are higher on the list (smaller number).
	OR-NOT-FUNCTION	Implemented when none of the selected output programs are active. You can only select output programs which are higher on the list (smaller number).

Function	Function Specifier	Description
SABOTAGE	ALL SABOTAGES	Includes all sabotage events: central unit sabotages, address sabotages (masking and tamper alarms) in the selected groups.
	PANEL/USERPANEL SABOTAGES	A central unit or user panel-related sabotage.
	PANEL TAMPER	Activation of the central unit's tamper switch.
	PANEL SUPERVISION IN1 (V1.2.0.0)	Activation of the central unit's IN1 (programmable sabotage).

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PANEL SUPERVISION IN2 (V1.2.0.0)	Activation of the central unit's IN1 (programmable sabotage).
LINEFAULT (v1.2.0.0)	Fault in the address line.
USER PANEL	Activation of the user panel's tamper switch OR user panel is removed.
USER PANEL, TAMPER	Activation of the user panel's tamper switch.
USER PANEL, REMOVED	User panel removed / Connection lost to the user panel.
USER PANEL, LOCKED	User panel in a lock state. <b>NOTE!</b> To reset a locked output on the user panel, you must enter the MASTER code on the respective user panel each time it is locked.
ADDRESS, TAMPER OR MASKED	Address sabotages (tamper or masking alarms) in the selected groups.
ADDRESS, TAMPER	The programmed address is disconnected from the address line, tamper alarm in the selected groups.
ADDRESS, MASKED	Activation of the antimasking level, masking alarm in the selected groups.

Function	Function Specifier	Description (all address-related alarm outputs must have more alarms than the selected limit, that is, multi-detection is used and BNE is limited to the selected groups)
ALARM	ALL ALARMS	Address alarms in the selected groups. Includes all alarm events.
	ALL BURGLAR ALARMS	Address alarms, excluding fire alarms, in the selected groups.
	INTRUDER ALARMS	Intruder alarm events in the selected groups.
	HOLDUP ALARMS	Holdup alarm events in the selected groups.
	INTRUDER- AND HOLDUP ALARMS	Intruder and holdup alarm events.
	SHIELD ALARMS	Alarms from detectors which support shield detection.
	MOVEMENT ALARMS	Alarms from detectors which support motion detection.
	THREATCODE ENTERED	User enters the threat code. <b>NOTE!</b> Use the MASTER code to reset the state which activates the output.
	NOTIFICATION/INTERNAL CALL	Notification logged in the selected groups.
	FIRE ALARMS	Alarms from a fire detector.
	SMOKE ALARMS	Alarms from a fire detector with smoke detection specifier.
	HEAT ALARMS	Alarms from a fire detector with heat detection specifier.
	ALARMS FROM CALLPOINTS	Alarms from a fire detector with a call point specifier.

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Function	Function Specifier	Description (address faults follow the selected group and multi-detection options)
FAULT	ALL FAULTS	Includes all fault events: central unit and address faults.
	ALL PANEL FAULTS	All fault events in the central unit.
	PANEL BATTERY OR MAINS	Fault in the central unit battery or mains power.
	PANEL MAINS	Fault in the central unit mains power.
	PANEL BATTERY	Fault in the central unit battery.
	FUSES	Fault in the central unit fuse.
	USER PANEL FAULT	User panel fault events (removed).
	DOORIS DEVICE FAULT	Fault in a serial device, such as disconnection in a C-EXT card.
	ADDRESS FAULT	Fault in an address, all address types.
	INTRUDER ADDRESS FAULT	Fault in an intruder address.
	HOLDUP ADDRESS FAULT	Fault in a holdup address.
	INTRUDER OR HOLDUP ADDRESS FAU	Fault in an intruder or holdup address.
	FIRE ADDRESS FAULT	Fault in a fire detector address.

Function	Function Specifier	Description
STATE	NO EXCEPTIONS	<p>The addresses in the selected group <u>do not</u> have:</p> <ul style="list-style-type: none"> <li>• Masking or tamper alarms</li> <li>• Alarms</li> <li>• Faults</li> <li>• Inhibited or isolated addresses</li> </ul> <p>The central unit <u>does not</u> have:</p> <ul style="list-style-type: none"> <li>• Faults</li> <li>• Disconnections</li> <li>• Sabotages</li> </ul>
	ALL GROUPS SET	All groups have been armed.
	SOME GROUPS OFF/BYPASSED/ISOLAT	Group(s) have been bypassed, isolated, or disarmed (selection by group).
	GROUPS OFF	Group(s) have been disarmed (selection by group).
	GROUPS BYPASSED	Group(s) have been bypassed (selection by group).
	GROUPS BYPASSED, STACKUSERS	The selected groups include stacked users.
	GROUPS BYPASSED, INPUT	The groups have been bypassed with a bypass device (selection by group).

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	GROUPS BYPASSED, EXTERNAL	A reservation for an external (networking/cloud service) bypass (not in use yet).
	GROUP ISOLATED	Groups have been isolated (selection by group).
	GROUPS ADDR. INHIBITED OR ISOLA	Group addresses have been inhibited or isolated (selection by group).
	GROUPS ADDR. INHIBITED	Group addresses have been inhibited (selection by group).
	GROUPS ADDR. ISOLATED	Group addresses have been isolated (selection by group).
	GROUPS ADDR. ALARMLEVEL	Group addresses are in alarm level (selection by group).
	GROUPS ADDR. TAMPERLEVEL	Group addresses are in tamper level (selection by group).
	GROUPS ADDR. MASKINGLEVEL	Group addresses are in masking level (selection by group).
	ENTER/EXITDELAY ACTIVE	Enter or exit delay is active (selection by group).
	ENTERDELAY ACTIVE	Enter delay is active (selection by group).
	EXITDELAY ACTIVE	Exit delay is active (selection by group).
	ALARM ENTERDELAY ACTIVE	Verification for an alarm triggered during entry (enter fail delay) is active (selection by group).
	GROUPS BYPASSED, ACCESS CONTROL	Groups have been bypassed through the access control system (selection by group).
	GROUPS SET (V1.2.0.0)	All selected groups are set.
	GROUPS UNSET/EXIT (V1.2.0.0)	Group(s) are unset or in exit delay state (selection by group).

Function	Function Specifier	Description (all address states have a selection for Multi-detection: All selected/At least one selected)
ADDRESS STATE	L1-L4: NORMAL	All selected addresses (from lines L1 – L4) are normal.
	L1-L4: ALARMING	All selected addresses (from lines L1 – L4) are in alarm state.
	L1-L4: TAMPER	All selected addresses (from lines L1 – L4) are in tamper alarm state (disconnected from the line).
	L1-L4: MASKED	All selected addresses (from lines L1 – L4) are in masking alarm state (antimasking).
	L5-L8: NORMAL	All selected addresses (from lines L5 – L8) are normal.
	L5-L8: ALARMING	All selected addresses (from lines L5 – L8) are in alarm state.
	L5-L8: TAMPER	All selected addresses (from lines L5 – L8) are in tamper alarm state (disconnected from the line).
	L5-L8: MASKED	All selected addresses (from lines L5 – L8) are in masking alarm state (antimasking).

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Function	Function Specifier	Description
CONTROL	PREWARNING	Prewarning active (like GENERAL   TIMED SETTING WARNING).
	ALARMS ACKNOWLEDGED	All alarms acknowledged (selection by group).
	SUPPLY ACTIVE (V1.2.0.0)	Supplier is in the selected groups.
	USERPANEL SERVICESTATE	User has entered the service code.
	USERPANEL ACTIVE	User panel has been activated.
	TIMEPROGRAM	An output that follows a time program. In the other output types, the time program limits the activation of the output. This output type follows the time program and is active when the time program is active.