

Agent Release System AS4214

Features

- Controls and Monitors Agent Release System
- Outputs for Warning Signs and activation devices
- Inputs for signals from pressure switches & valves
- Serial connection to Agent Release Local Control Station (LCS)
- Programable via *ZoneSense PLUS* front panel
- Programmable via *ConfigManager* for the *FireFinder* range of panels
- Programmable via *LoopMaster* for the *LoopSense* (AS7240) range of panels

Description

The Agent Release System comprises of the Main Control Card, Termination Board and Local Control Stations. In addition a yellow Manual Call Point can be supplied to fit to the main Fire Alarm Control Panel (FACP) (This is a requirement of AS4214 Agent Release Systems)

A maximum of 8 LCS's can be connected remote to the panel. An operator may Manually Release or Inhibit Release from any of these LCS's

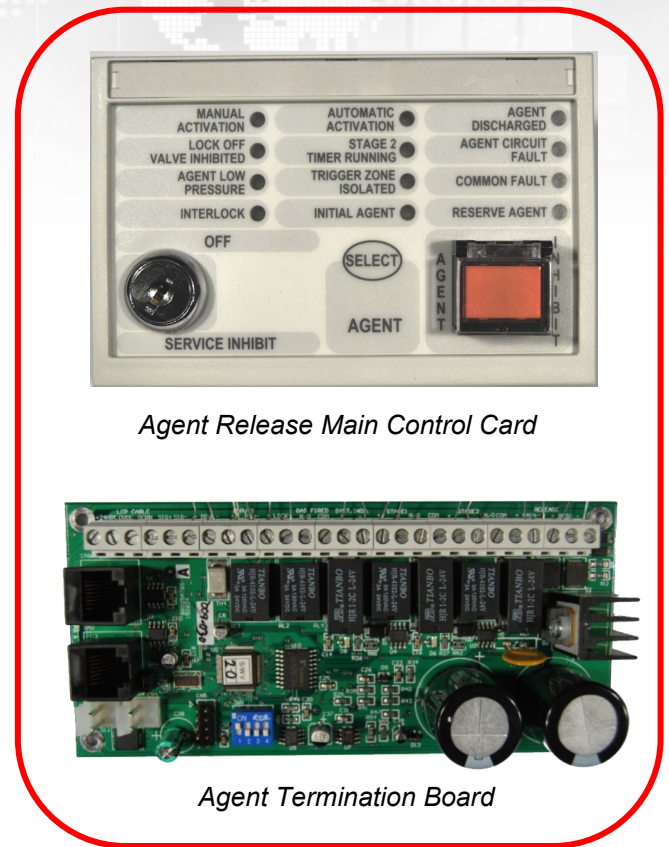
The Agent Release System can be configured to operate in a single group or dual group mode.

In a single group mode of operation, only one (1) zone circuit is configured as an 'agent release'. A detector in alarm, associated with this type of zone, will initiate a stage 2 condition. The timer is activated and upon expiry the agent is released.

In a dual group mode the operator can configure up to four (4) zones as an 'agent release'. When a detector in any zone programmed as an 'agent release' goes into alarm, Stage 1 is activated. Subsequently when a detector in any other zone that is programmed as an 'agent release' goes into alarm, Stage 2 is activated and the timer starts. Upon expiration of the timer, the agent is released.

The Agent Release System supports agents released using either Metron or a solenoid.

The activation of "Agent Inhibit" switch disables the automatic release of the agent.



Agent Release Main Control Card

Agent Termination Board

Specifications

Agent Release Module

Pressure Switch Input	Monitored Input
Low pressure Switch Input	Monitored Input
Interlock Input	Monitored Input
Gas Fired Input	Volt Free Changeover 1A@24VDC
System Inoperative Output	Volt Free Changeover 1A@24VDC
Stage 1 Output	Monitored
Stage 2 Output	Monitored
Release Initial Agent Output	Monitored current limited 2A max
Release Reserve Agent Output	Monitored current limited 2A max

Environmental

Temperature	-5°C—55°C
Humidity	0 to 95% Non-condensing

Indicator & Controls

Indicators (Common for both Main Control and LCS)

Description	Colour
Manual Activation	Red
Automatic Activation	Red
Agent Discharged	Blue
Lock-off Valve Inhibited	Yellow
Stage 2 Timer running	Yellow
Agent Circuit Fault	Yellow
Agent Low Pressure	Yellow
Trigger Zone Isolated	Yellow
Common Fault	Yellow
Interlock	Yellow
Initial Agent	Yellow
Reserve Agent	Yellow

CONTROLS (Agent Release Main Control Card)

Controlled Access	003 Key
Agent Select	Push Button
Agent Inhibit	Push Button Hinged Cover

CONTROLS (Local Control Station)

Inhibit Agent Release	Push Button Hinged cover
Manual Release	MCP with Hinged cover

Local Control Station

Material	1.2mm steel for Black Box
Finish	Oyster Maft ripple
Dimension (mm)	233H x 186W x 47D
Weight	860 grams
Operating Voltage	27VDC
Quiescent Current	40.5mA
Monitored Inputs	Pressure Switch Low Pressure Switch
Manual Release	2A A 27VDC (Current limited)
Stage 1 & 2	Switched
System Inoperative	1A @27VDC
Gas Fired	1A @27VDC
Comms Output	RS485



Local Control Station



Manual Call Point (Agent Release)



Warning Signs (Indoor Version)

Item Numbers

Agent Release Module

4310-0011 Agent Release Panel Add-on

Local Control Stations

4310-0091 Local Control Station Surface Mount

4310-0092 Local Control Station Flush Mount

Ancillary Products

4105-1012 ACP-06 Yellow Surface Mount Agent Release Conventional MCP

4105-1022 ACP-06 Yellow Flush Mount Agent Release Conventional MCP

4210-0110 Warning Sign (No Fascia Plate)

4210-0120 Warning Sign IP65 (No Fascia Plate)

4210-0121 Warning Sign Driver Kit

4210-0131 'Fire Alarm, Do Not Enter' Fascia Plate

4210-0132 'Fire Alarm, Evacuate Area' Fascia Plate

4210-0133 'Do Not Enter, Gas Discharged' Fascia Plate

4210-0134 'Fire Door Closing' Fascia Plate

4210-0135 'Exit System Inoperative' Fascia Plate

4200-9902 Gas Actuator Monitor

