

FS-8705-34 – Autronica FACP And XProtect CCTV Gateway And XProtect CCTV

DATASHEET – Rev 1

SUMMARY

Sends text messages to the XProtect CCTV system. These message drive actions. The message that is sent can be configured. The trigger for each message is also configured. The 'other' protocol controls the triggering of messages.

DESCRIPTION

The XProtect CCTV system can accept 'Generic Event' messages sent from remote systems. The Autronica FACP can communicate with foreign systems using Modbus. There is no direct data communication method which allows these two systems to exchange data. Therefore a gateway is required.

In this document we describe the gateway interface developed to provide a gateway to XProtect CCTV products allowing for easy integration into Building and Industrial Automation Systems using protocols like BACnet and Modbus.

Gateway

The gateway consists of

- A Physical Device eg. FSB3510-Series or FS-QS-Series
- Firmware

Firmware Consists of

- Protocol Driver for XProtect
- Protocol Driver (other eg Modbus) (More than 1 can be linked)
- Gateway Engine (connects the 2 protocols. Provides all the gateway functionality.)

Therefore, complete documentation of the delivered product consists of

1. Manual for XProtect Driver – connections, settings, trouble shooting
2. Manual for Physical Gateway – Install, power, trouble shooting
3. Manual for Gateway Configuration and Software tools – How to configure the gateway
4. Manual for 'other' protocol. Such as Modbus

The XProtect protocol driver is capable of being linked with other FieldServer drivers to form regular FieldServer firmware that can be installed on QuickServer and other FieldServer gateways.

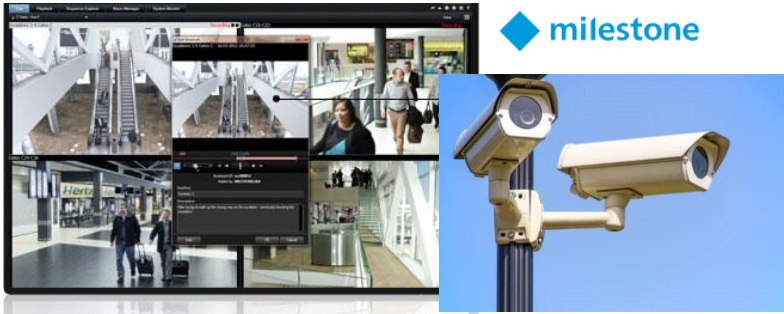


TYPICAL BLOCK DIAGRAM



XProtect® Professional Series

The ideal video management software for mid-sized installations



Generic Event message
Prortocol



Modbus



CLIENT SERVER MODEL & DATA FLOW

Gateway to Autronica

Uses Modbus (or any other protocol supported eg. BACnet, EthernetIP, Omron, GE, Metasys etc.)

Gateway can be a client, reading data from FACP. Using the data to determine if an event trigger has occurred.

Gateway can be a server accepting Modbus data from the FACP. Using the data to determine if an event trigger has occurred.

FS-8705-34 XProtect CCTV

These are configurable options.



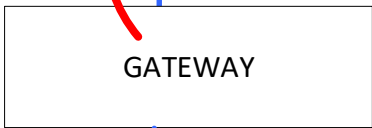
XProtect® Professional Series

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Event message sent on trigger

Generic Event message Protocol



Modbus



Gateway is client reads data from FACP to trigger event messages.

Gateway is server. FACP sends data to trigger event messages.

Triggers

The following configurable options can be used to trigger event messages being sent to the CCTV system.

Modbus Value is updated.

Modbus Value changes

Modbus Value transitions to a particular value. Eg transition 0 to 1 is trigger. But 1 to 0 is not.

(This method is not currently supported. Can easily be added if you have an application that needs it. Or A single Modbus Register is used. The value found in the register shall be the message triggered.)

These and more options will be available. Ask for help.

CUSTOMER SUPPORT

Autronica FACP and XProtect CCTV Gateway and XProtect CCTV Driver for FieldServer was developed by Chipkin, and we are proud to provide support for our products. For technical support, sales and customer service, please call us at 1 (866) 383-1657.

Thanks for choosing Chipkin's products and integration services to meet your building and industrial automation requirements!

Chipkin™ is a building and industrial automation protocol expert. We develop, configure, install and support gateways (protocol converters), data loggers and remote monitor and controlling applications. Founded in October 2000, Chipkin provides expert solutions for converting BACnet®, Modbus®, and LonWorks®—to name just a few—and enabling interfaces for HVAC, fire, siren, intercom, lighting, transportation and fuel systems. The high-quality products we offer (including those from other vendors) interface with Simplex™, Notifier™, McQuay™, GE™ and many others—so you can rest assured that we will select the most appropriate solution for your application.

With Chipkin you are buying a solution. Our configuration expertise in this field combined with free BACnet and other tools ensure your success; and our customer support via phone, email and remote desktop tools means that we are there when you need us. Chipkin is a small responsive company, and we live or die by the quality of our service—and with offices in two time zones—we can provide support when you need it. Give us a call now!

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REVISION HISTORY

DATE	RESP.	DRIVER VERSION	DOCUMENT REVISION	COMMENTS
1 Dec 2018	PMC	0.00	0	Issued for Release.
16 Jun 2021	YC	0.00	1	Updated to latest template