



FieldServer Driver - Serial FS-8700-30 YorkTalk

Driver Code: York
Version: 1.00

Device Options:

1. **York Translator** – the recommended option: A direct EIA232 connection is made to the chiller. This is a very cost effective option as a single FieldServer can support 8 simultaneous connections. The aggregate bandwidth is then also 8 times higher than in the case of a single multidrop connection to 8 devices.
2. **XL Translator** – a EIA232 connection is made to the XL Translator (also known as ISN LDC 17 - Link Data Controller), which in turn communicates with York devices via EIA485. For this configuration, the York Chillers must be fitted with the “Linc Chiller” module to allow compatibility with the LDC’s EIA485 network.
3. **MicroGateway** - a EIA232 connection is made to the MicroGateway, which in turn communicates with York devices via EIA485. For this configuration, the York Chillers must be fitted with the “Linc Chiller” module to allow compatibility with the LDC’s EIA485 network.

Map of the FieldServer Yorktalk Client driver (XL Translator, York Translator)

Bridge address	York Talk Block (feature, section)	York Talk Line	Read/Write	Comment
0 -> 81	f02s01	P01 -> P81	Read Only	Read chiller status of length 82. Any single point can be read, or sub_blocks of any inclusive address range can be read.
82	f01s01	P01	Read or Write	First set_point.
83	f01s02	P01	Read or Write	Second set_point block.
84	f01s02	P02	Read or Write	Same as above
85	none	none	Read or Write	Enumerated York_Talk Client state machine error code. 0.0 means none. Write will clear
86	none	none	Read or Write	York Talk returned error code. 0.0 means none. Will contain last logged error. Write will clear.

Notes (XL Translator, York Translator) :

The following combinations can be read:

- 0-81 or any subset thereof
- 82 by itself
- 83-84 or any subset thereof
- 85 by itself
- 86 by itself



Protocol Driver



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The following combinations can be written to:

- 82 by itself. Only the value 0.0 (OFF) and 1.0 (ON)
- 83 by itself
- 84 by itself
- 85 by itself. Will reset latched error code to 0.0
- 86 by itself. Will reset latched error code to 0.0

The system is offset sensitive allowing single data blocks but multiple scan blocks.

Map of the FieldServer Yorktalk Client driver (MicroGateway)

The MicroGateway mode allows the f, s and p parameters (feature, section and page) to be specified directly for write messages, allowing all single-value fields (such as set points and digital outputs) to be written. For read messages, only f54 is available, but the section (s parameter) can be specified as required to address different devices.