

# FS-8705-38 – Mydax Chillers

DATASHEET – Rev 2

## DESCRIPTION

This serial driver is used to operate and monitor Mydax Chillers. It connects to the chiller using one of its RS232 ports. The driver is capable of issuing operational commands, changing setpoints and reading operational and status information.

The 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. Other drivers can access the EKM Meter data and serve using other protocols such as BACnet and Modbus .

The driver is an active client driver in that it poll's for data – reading or writing data from chiller. It cannot be used to simulate a chiller.



## CONNECTION FACTS

FIELDSEVER MODE	NODES	COMMENTS
Client	1	One Chiller per gateway RS232 port. Gateways with 1 or 2 RS232 ports available.
Server	0	Not supported or documented.

## FORMAL DRIVER TYPE

Serial RS232

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Passive Client

## COMPATIBILITY

FIELDSEVER MODEL	COMPATIBLE
FS-2010/2011/2010 (Legacy)	Yes
FS-35 Series	Yes
FS-QS Series	Yes

## CONNECTION INFORMATION

Connection Type:	EIA232
Baud Rates:	Driver Supports: 9600; 19200; 28800; 38400; 57600 Baud.
Data Bits:	Driver Supports: 7,8
Stop Bits:	Driver Supports: 1,2
Parity:	Driver Supports: Odd, Even, None
Hardware Interface:	N/A There is no flow control
Multidrop Capability:	No

## DEVICES TESTED

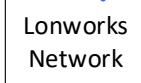
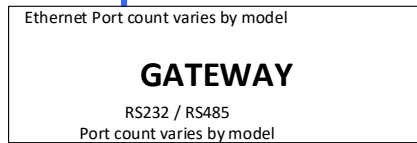
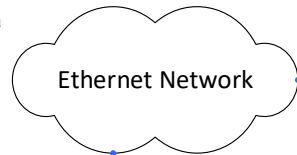
DEVICE	TESTED (FACTORY, SITE)
Opdax 3000 Series Controller	

## CONNECTION CONFIGURATIONS

Multiple upstream protocols and connection supported. See list of FieldServer Drivers.

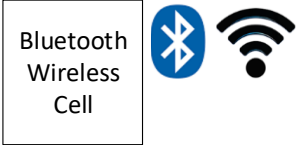
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- Other serial protocols such as
- Bacnet MSTP
  - Modbus RTU, ASCII, and other flavors
  - Rockwell DF1
  - GE-SNP
  - JCI Metasys N2
  - And more...
- Over 120 Protocols  
 We are always adding and can add yours.



- Other ethernet protocols such as
- HTTP, XML
  - BACnet IP or Eth
  - Modbus TCP
  - AB-CSP
  - Ethernet/IP
  - SNMP, Telnet
  - GE-EGD, GE-SRTP
  - Omron FINS
  - DNP3
  - And more...

- Other bus protocols such as
- Profibus
  - DeviceNet
  - DH+
  - Modbus+
  - ControlNet
  - BACnet Arcnet



**Mydax Chillers**

## PROTOCOL SERVICES SUPPORTED/NOT SUPPORTED

PROTOCOL SERVICE	SUPPORTED
GO Start Chiller	Yes
HA Stop Chiller	Yes
RP Run Pump	Yes
RS Reset System	Yes
RO Remote Set Mode	Yes
AO Analog Set Mode	Yes
RF Local Set Mode	Yes
CH Clear History	Yes
LA, LB, LC, LD Individual Loop On/Off	Yes
SA, SB, SC, SD Set Temp. Setpoint	Yes
VA, VB, VC, VD Set VFD Drive	Yes
FA, FB, FC, FD Set Flow Setpoint	Yes
PA, PB, PC, PD Set Pressure Setpoint	Yes
SS Get Temp. Setpoint	Yes
SM Get Temp. Set Mode	Yes
VF Get VFD Drive	Yes
FS Get Flow Setpoint	Yes
PX Get Pressure Setpoint	Yes
SN Get Servo Mode	Yes
SO Get Last Servo Mode	Yes
PR Get HTF Pressure	Yes
AL Get Alarms	Yes
AH Get Alarms History	Yes
RT Get Runtime	Yes
PS Get Board Voltages	Yes
TE1 Get Basic Chiller Status	Yes
TE4 Get Extended Chiller Status	Yes
Recorder – various services	No

## SENDING COMMANDS TO THE METER

Some services allow you to send data to / command the meter. Such as 'Set Setpoint'. In these cases, when data is sent from the other protocol (eg BACnet) then this data is extracted from the Data Arrays and sent to the Meter. This can occur on-update or on-time-interval.

## CUSTOMER SUPPORT

Mydax Chillers 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.

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## Sales and Customer Service

Toll Free: +1 866 383 1657

Email: salesgroup1@chipkin.com

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## REVISION HISTORY

DATE	RESP.	DRIVER VERSION	DOCUMENT REVISION	COMMENTS
21 Jan 2019	PMC	1.00	1	Created
16 Jun 2021	YC	1.00	2	Updated to latest template