

- »» BACnet/IP Controller B-BC Profile
- »» 40 integrated I/O-points
- »» Modular Expandable I/O
(BACnet MS/TP or Modbus-RTU)
- »» Integrated 5.7" touch screen
- »» TCP/IP through ethernet (RJ45)
for remote control
- »» Windows CE Professional
- »» Integrated HTTP & FTP-server
- »» Optional GSM or 3G modem
- »» In Built RTC

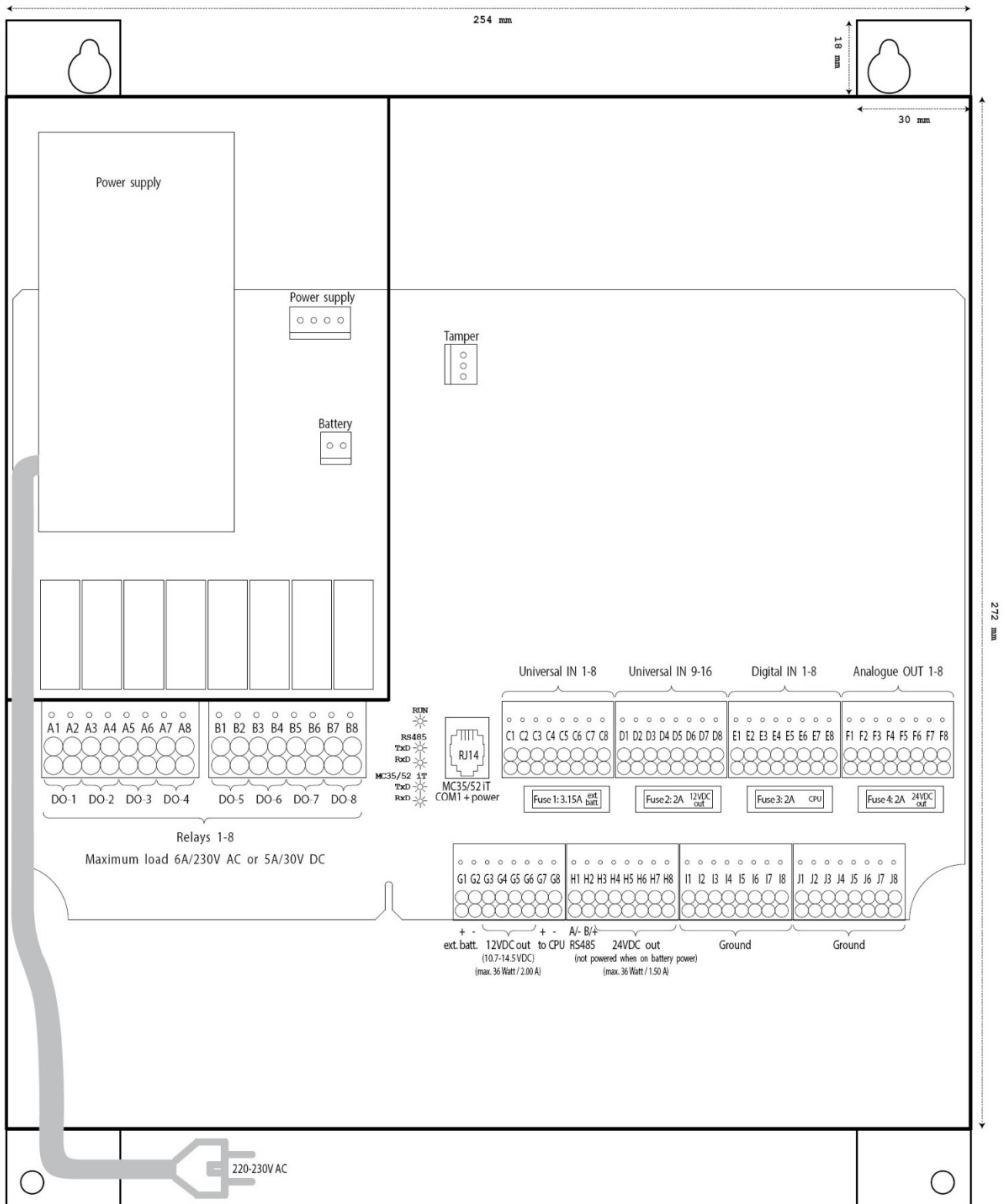


Fast, intelligent, clear and easy-to-use local control

The FX-SPIDER-40 a freely programmable native BACnet™ controller for building automation and security applications is a special version of it's big brother, the FX-2030A. Dedicated for small processes, narrow spaces and all-in-one solutions, it features a 5.7" touch screen showing HTML-graphics, a powerful processor to run PLC-code, and 40 built-in I/O-points, thus being everything you need to get your project up and running. The FX-SPIDER-40 uses the IEC-61131-3 standards for PLC programming. Connect the standard power plug to a normal 220/230V socket and get going in no time to discover the true meaning of plug and play!

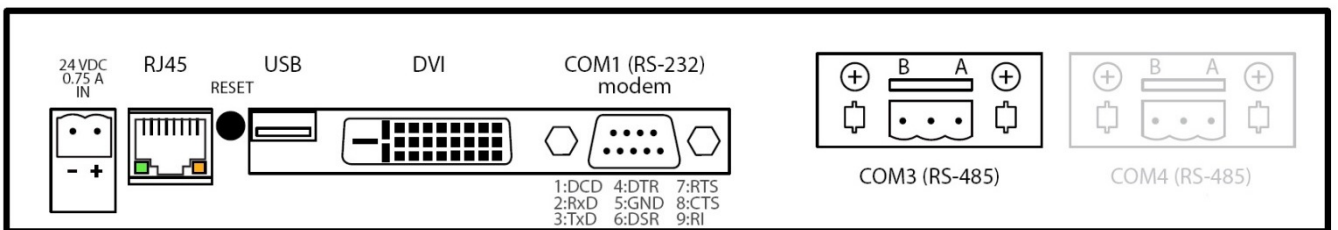
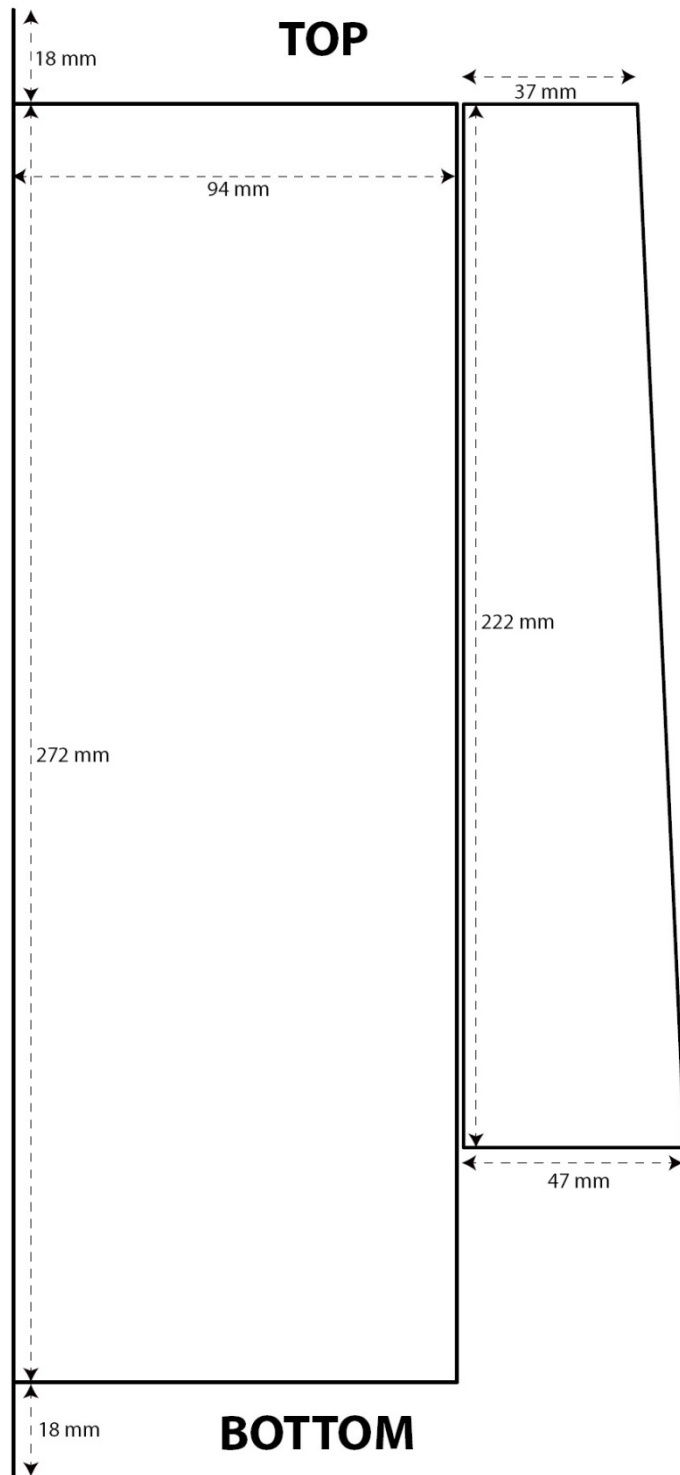
Technical features

BACnet Device Profile:	BACnet Building Controller (B-BC)
BACnet data point objects:	2000 per controller (Physical & Virtual)
CPU:	NVIDIA Tegra 2 dual-core Cortex-A9 (32 Bit) MPcore
Memory:	512MB DDR2
Operating system:	Windows CE Professional
Operating temperature:	0 to +40°C
Operating Voltage:	100-240 VAC
Maximum Load:	6A @ 230 VAC or 5A @ 30 VDC
Communication Ports:	1 x 10/100 Ethernet port, 1 (expandable to 2) x RS-485 Ports, 1 x modem port, 1 x USB, 1 x DVI Port
Dimensions(with casing):	254mm x 272mm (x 144mm depth)
Historical trends :	20,000 changed values per point
I/O ports :	8 DO, 16 UI, 8 DI, 8 AO
Maximum fieldbus connection :	1 built-in serial port and 5 IP ports



Important notices:

- Connect 0.2-2.5 mm² cables to connectors A and B, and 0.2-1.5 mm² cables to connectors C-J.
- All relays are of the Normal Open type. Please leave one relay empty between the relays to which you connect 230 V and the ones to which low voltage is connected.
- Universal Measurement points (C1-D8) are measured with approximately 3 second intervals.
- Analogue Outputs (F1-F8) send out 0-10V with an impedance of 1kΩ, at maximum 10 mA.
- When battery powered:
 The 24V output to the CPU (G7-G8) will only get 12V, the other 24V outputs (G3-G6) will not be powered.
 The screen will be switched off unless actively being operated upon. Relays and analogue outputs will also not be operated anymore
 When the battery power supply drops below 10.8V, the system will shut itself off.
 The internal battery capacity provides approximately 12 hours of power, including 100 mA @ 12V for security field devices.



CONNECTORS UNDERNEATH SCREEN / CPU UNIT

