








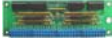









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MCS-AC01-6S2	<p>Access Control Panel 1-2 readers, network isolated, build in power supply, tamper protection, metal box</p> <p>The control panel is based on controller board MCS-AC01-6. It has universal application and can be used for administrative buildings, industrial complexes, high security areas, shopping centers. It is a completed solution for: Access Control, Time Attendance, Intrusion, Parking Control, Elevator Control.</p> <p>Unique features - possibility to download custom program or algorithm directly into the controller, as well as inter-panel communication via the local network bus, which makes the product really flexible and universal. The internal real-time clock is reserved for 15 days without main power supply.</p> <p>The control panel has build in transformer and power supply with battery backup. It is enclosed in tampered steel box.</p> <table> <tr> <td>Supply voltage (typical):</td> <td>230 VAC, ±10% / 50 Hz</td> </tr> <tr> <td>Power consumption:</td> <td>max. 35W</td> </tr> <tr> <td>Build in monitored power supply:</td> <td>12 VDC / 1.5A</td> </tr> <tr> <td>Output (external devices):</td> <td>12 VDC / 0.8A</td> </tr> <tr> <td>Battery backup:</td> <td>12 VDC / 7 Ah</td> </tr> <tr> <td>Analog inputs:</td> <td>4</td> </tr> <tr> <td>Analog inputs expansion:</td> <td>16 inputs, via MCS-AC01-E16</td> </tr> <tr> <td>Output with 2 relay contacts 15A:</td> <td>2</td> </tr> <tr> <td>Output open collector 400mA:</td> <td>6</td> </tr> <tr> <td>Communication network:</td> <td>up to 110 devices per loop</td> </tr> <tr> <td>Data transmission rate:</td> <td>19200 bps (typical)</td> </tr> <tr> <td>Total cable length per loop:</td> <td>1000m</td> </tr> <tr> <td>Expandable loop length:</td> <td>MCS-AC01-RI02 – another 1000m</td> </tr> <tr> <td>Readers support interface:</td> <td>2 readers (max)</td> </tr> <tr> <td>Supporting type of readers:</td> <td>Proxy, Magnetic stripe, Barcode</td> </tr> <tr> <td>Cardholders (maximal):</td> <td>16000 codes total</td> </tr> <tr> <td>Access levels:</td> <td>1000</td> </tr> <tr> <td>Time zones:</td> <td>255</td> </tr> <tr> <td>Stored events in memory:</td> <td>16000 events with date & time</td> </tr> <tr> <td>Real-time clock:</td> <td>Yes, Reserved for 15 days</td> </tr> <tr> <td>Connection to PC via USB port:</td> <td>MCS-AC01-CI04 (PC adapter)</td> </tr> <tr> <td>Connection to LAN:</td> <td>MCS-AC01-LAN02 (LAN adapter)</td> </tr> <tr> <td>Operating temperature:</td> <td>-10 ~ +65 °C</td> </tr> <tr> <td>Operation humidity:</td> <td>90%</td> </tr> <tr> <td>Dimensions (H x W x D):</td> <td>250 x 285 x 80 mm</td> </tr> <tr> <td>Housing protection: IP30</td> <td>IP31</td> </tr> <tr> <td>Weight (without battery):</td> <td>2.500 kg</td> </tr> </table>	Supply voltage (typical):	230 VAC, ±10% / 50 Hz	Power consumption:	max. 35W	Build in monitored power supply:	12 VDC / 1.5A	Output (external devices):	12 VDC / 0.8A	Battery backup:	12 VDC / 7 Ah	Analog inputs:	4	Analog inputs expansion:	16 inputs, via MCS-AC01-E16	Output with 2 relay contacts 15A:	2	Output open collector 400mA:	6	Communication network:	up to 110 devices per loop	Data transmission rate:	19200 bps (typical)	Total cable length per loop:	1000m	Expandable loop length:	MCS-AC01-RI02 – another 1000m	Readers support interface:	2 readers (max)	Supporting type of readers:	Proxy, Magnetic stripe, Barcode	Cardholders (maximal):	16000 codes total	Access levels:	1000	Time zones:	255	Stored events in memory:	16000 events with date & time	Real-time clock:	Yes, Reserved for 15 days	Connection to PC via USB port:	MCS-AC01-CI04 (PC adapter)	Connection to LAN:	MCS-AC01-LAN02 (LAN adapter)	Operating temperature:	-10 ~ +65 °C	Operation humidity:	90%	Dimensions (H x W x D):	250 x 285 x 80 mm	Housing protection: IP30	IP31	Weight (without battery):	2.500 kg	 
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Section 1 NETWORK SYSTEM

Type	Description / Technical data	Picture
MCS-PS30-U12	<p>Power supply unit - 12 Vdc / 5A, battery backup</p> <p>The power supply unit is specially designed to cover the additional power needs for external periphery such as lock, electro magnets, door release, managed from access control panels: MCS-AC01-6S2 / 6L2 / 6S4 / 6L4. It is enclosed in same tampered steel box, as MCS-AC01-6S4 / 6L4. This allows good looking view in case of installation of several control panels.</p> <p>Supply voltage: 100-240 Vac / 50 Hz Output voltage: 12 Vdc / 5A Output voltage for battery: 13.8 Vdc / 5A Power consumption: max. 80W Battery backup: 12 VDC / 7 Ah Operating temperature: -10 ~ +65 °C Operation humidity: 90% Dimensions (H x W x D): 250 x 285 x 80 mm Housing protection: IP30 IP31 Weight (without battery): 1.900 kg</p>	
MCS-AC01-E16	<p>Expansion board - 16 analogue Inputs</p> <p>The board is designed to expand with 16 analogue inputs the access control panels: MCS-AC01-6S2/6L2/6S4/6L4. The board has direct slot connection and fully programmed, as a part of the above control panels.</p>	
MCS-AC01-RL4	<p>Expansion board - 4 relay outputs</p> <p>The board is designed to connect to open collectors outputs of access control panels: MCS-AC01-6S2/6L2/6S4/6L4, in case of additional needs from relay outputs. The relay contacts are 5A/24VDC. It can be fitted in the same metal box of the control panels.</p>	
MCS-AC01-RI02	<p>Expansion board network Repeater/Isolator</p> <p>The controller allows expanding the network length with another 1000m and protecting the network from short circuit. This controller can be used also for creating different structures of the network, branches and closed loop network connection for special and high-risk applications. It can be fitted in the same metal box of the control panels.</p>	
MCS-AC01-CI04	<p>PC connection network controller - USB2.0</p> <p>The controller allows the connection of MCS-AC01-6S2/6L2/ 6S4/6L4 network to PC via USB2.0 interface flexible cable. Led control status indication of the network.</p>	
MCS-AC01-LAN02	<p>LAN connection network controller</p> <p>The controller allows the connection of MCS-AC01/1204/0412 network to LAN via CAN-Bus interface.</p>	
MCS-AC01-LED	<p>LED Clock</p> <p>Clock with LED display. 4-digits, each 58(H)x33(W) mm. Dimensions: 260x98x25 mm.</p>	

Section 1 COMPONENTS & SPARE PARTS

Type	Description / Technical data	Picture
MCS-AC01-6	<p>Access Control Controller 1-2 readers, network isolated, build in power supply 1.0A/12VDC, battery backup</p> <p>The controller is used for main component of access control panels: MCS-AC01-6S2/6S4.</p>	
MCS-AC01-6L	<p>Access Control Controller 1-2 readers, network isolated, without power supply and battery backup</p> <p>The controller is used for main/expansion component of access control panels: MCS-AC01-6L2/6S4/6L4.</p>	
MCS-PS30-12	<p>Power supply board - 12 Vdc / 5A, battery backup</p> <p>The board is used for main component of MCS-PS30-U12.</p>	