Handheld terminal for sensors

FIXA

Faster set up
Fixa speeds up the addressing process since every device can be given an address before its connection. Fixa can also be used for troubleshooting, hence reducing further the set-up time.

Easy to use
Fixa is a handheld addressing unit with a comfortable display size, few large buttons and easy to use menus.

Versatile
Fixa can be used to address the ABB Jokab Safety products equipped with the StatusBus function, and all AS-i products/nodes, regardless of brand.

– Powered by internal batteries, PC or charger via USB-micro cable.
– Connection to PC via USB-micro cable.
– Sensor profile and parameter overview in display.

Application:

– Addressing and configuration of:
  - AS-i bus sensors/slaves
  - Sensors for the Jokab Safety StatusBus
– Test of:
  - Sensors for the AS-i bus
  - Sensors for the Jokab Safety dynamic safety circuit
  - Common sensors with PNP output
  - Sensors with OSSD outputs
  - Erasing the code of Adam DYN and Adam OSSD M12-5.

Features:

– Handles StatusBus, AS-i Safety and AS-i standard
– AS-i version 3.0 with extended addressing mode
– User friendly menu
– Delivered as a set in a soft case
– Software updated via Pluto Manager
– Rechargeable and replaceable batteries
– AS-i slave description. Fixa reads the profile number and shows the type in text. E.g. S-7.B.E: “Safe in NS out” (Safety sensor with non-safe outputs)
Technical data - Fixa

Current consumption with external bus voltage: 100±20 mA
Current consumption with internally generated bus voltage: <850±20 mA

Battery data
- Battery: 3xNiMH AAA replaceable rechargeable batteries, 1.2VDC each.
- Charging time: 1-2 hours
- Operating time with fully charged battery: ~9h external AS-i voltage/Sensor dependent (~1h internal AS-i voltage)
- Default battery capacity: 1000 mAh
- Externally unit supply voltage via micro-USB connector: 5±0.25 VDC
- External/Internal generated AS-i voltage range: 26.5-31.6 VDC

Short-circuit protection: Yes
AS-i reverse polarity protection: Yes

Enclosure dimensions WxHxD: 73x140x31 mm
Total unit weight with batteries, cable excluded: 250 g
Degree of protection: IP40

Temperature range: 5 to +50°C

(Ordering information)

Article number: 2TLA020072R2000
Fixa, addressing tool for AS-i and Status bus
Includes: Batteries, USB charger with cable, M12-C112 cable and a soft case.

Accessories
AS-i addressing cable: 2TLA020073R0900

M12-connector on Fixa

The standard M12 connector is used for connection to the bus as well as other sensors. The pins have different functionalities depending on selected mode.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AS-i +</td>
<td>+24V</td>
<td>+24V</td>
<td>+24V</td>
<td>+24V</td>
</tr>
<tr>
<td>2</td>
<td>-</td>
<td>-</td>
<td>Dynamic signal out</td>
<td>-</td>
<td>OSSD1</td>
</tr>
<tr>
<td>3</td>
<td>AS-i -</td>
<td>0V</td>
<td>0V</td>
<td>0V</td>
<td>OSSD2</td>
</tr>
<tr>
<td>4</td>
<td>-</td>
<td>-</td>
<td>Dynamic signal in</td>
<td>OSSD2</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>-</td>
<td>Test signal in</td>
<td>-</td>
<td>Status bus</td>
<td>-</td>
</tr>
</tbody>
</table>

For more information please contact:

ABB AB
ABB Jokab Safety
Varlabergsvägen 11
SE-434 39 Kungsbacka
Tel. +46 (0) 21-32 50 00
www.abb.com/jokabsafety