

2N® Helios IP Verso – fingerprint reader (9155045)

Data sheet and technical specifications

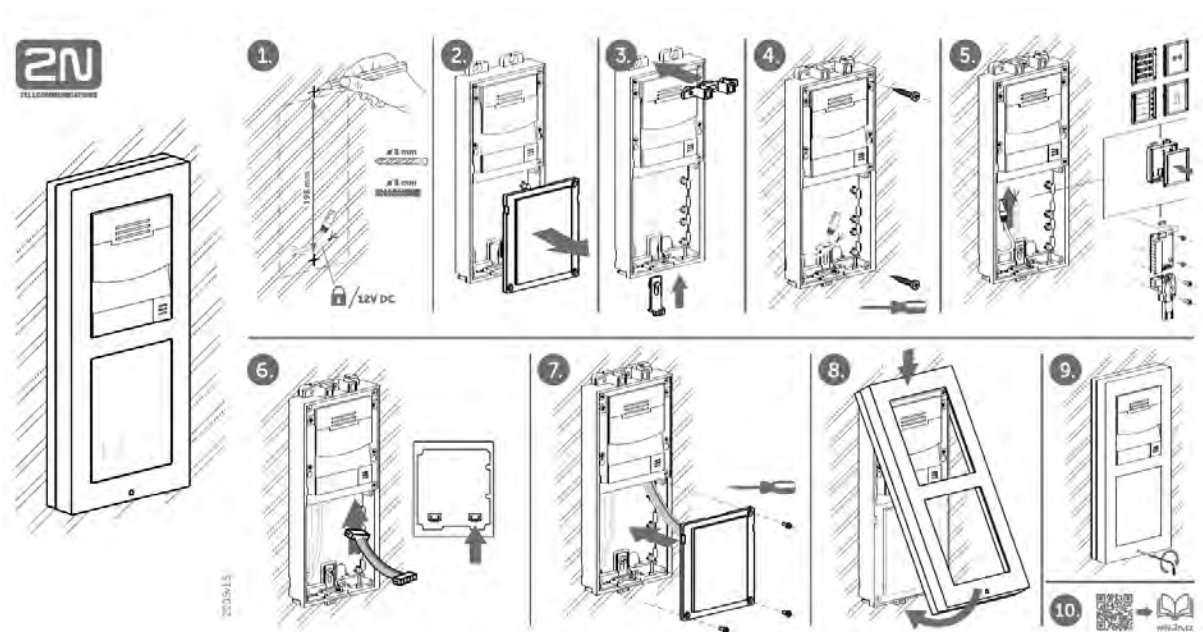


Basic description

The **2N® Helios IP Verso – fingerprint reader** is a luxury looking and absolutely reliable biometric access control module that can be easily connected to our Helios IP Verso intercom. It brings you a safe and convenient way how to open doors using only your finger(s). **Ordering number is 9155045.**

The module contains two 2N® Helios IP Verso bus connectors.

- These two connectors are fully interchangeable and can be used both as inputs from the main unit and outputs to other modules.
- If this module is the last one on the bus, one of the connectors remains unconnected.
- The module package includes a 220 mm long interconnecting cable.



Technical Parameters

Interface (of Helios IP Verso intercom)

- **Power supply:** PoE and/or 12V $\pm 15\%$ / 2A DC
- **PoE:** PoE 802.3af (Class 0–12.95W)
- **LAN:** 10/100BASE-TX with Auto-MDIX, RJ-45, connecting block or pigtail RJ-45
- **Recommended cabling:** Cat-5e or higher
- **Supported protocols:** DHCP opt. 66, SMTP, 802.1x, TFTP, HTTP, HTTPS, Syslog
- **Passive switch:** NO/NC contacts, up to 30V / 1A AC/DC
- **Active switch output:** 8 to 12V DC according to power supply (adapter: source voltage minus 2 V; PoE: 10V), up to 500mA
- **Inputs:** 1 input in passive / active mode (-30V to +30V DC)
 - OFF = open or $U_{in} > 1.5V$
 - ON = short-circuit or $U_{in} < 1.5V$



Fingerprint reader

- Based on optical technology (optical sensor inside)
- Durable glass touch surface
- Rejects spoof fingerprints
- Multicolor LEDs for status indication
- Sealed against water and dust
- Ambient light rejection – sunlight operation
- Large image capture area: 15.24 x 20.32 mm
- Operating temperature range: -20° to 55°C
- FBI PIV and Mobile ID certification

Mechanical properties

- **Operating temperature:** -20 °C to 55 °C
- **Operating relative humidity:** 10 % – 95 % (non-condensing)
- **Storage temperature:** -20 °C to 60 °C
- **Cover rating:** IP54, IK08