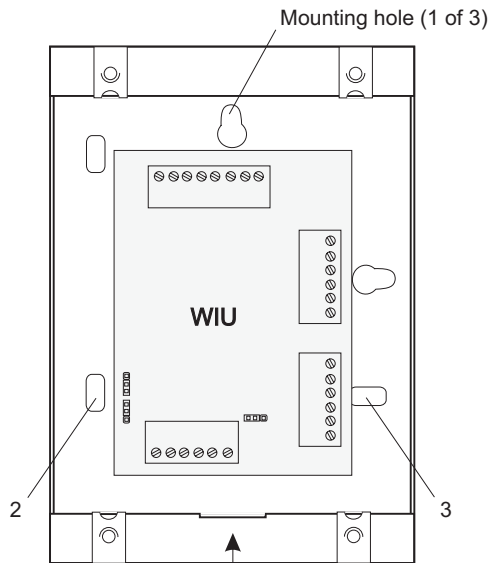


# Wiegand Interface Unit (WIU) Installation Instructions

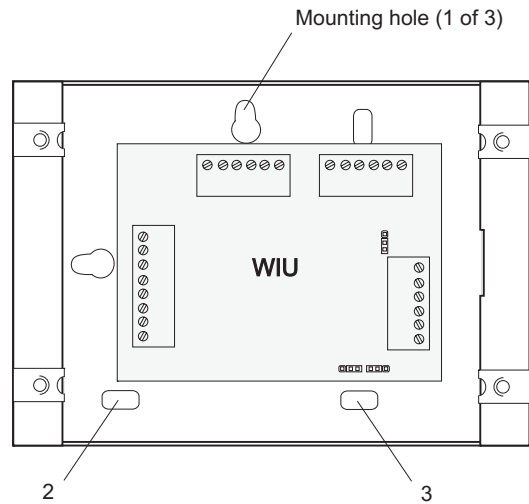
The Wiegand Interface Unit (WIU) allows the connection of a Wiegand or Clock-and-Data reader to a multiNODE-Lite or multiNODE-1000 node. The associated door furniture can connect to either the node or to the WIU.

## 1 Mounting

Mount the WIU either vertically or horizontally as shown.

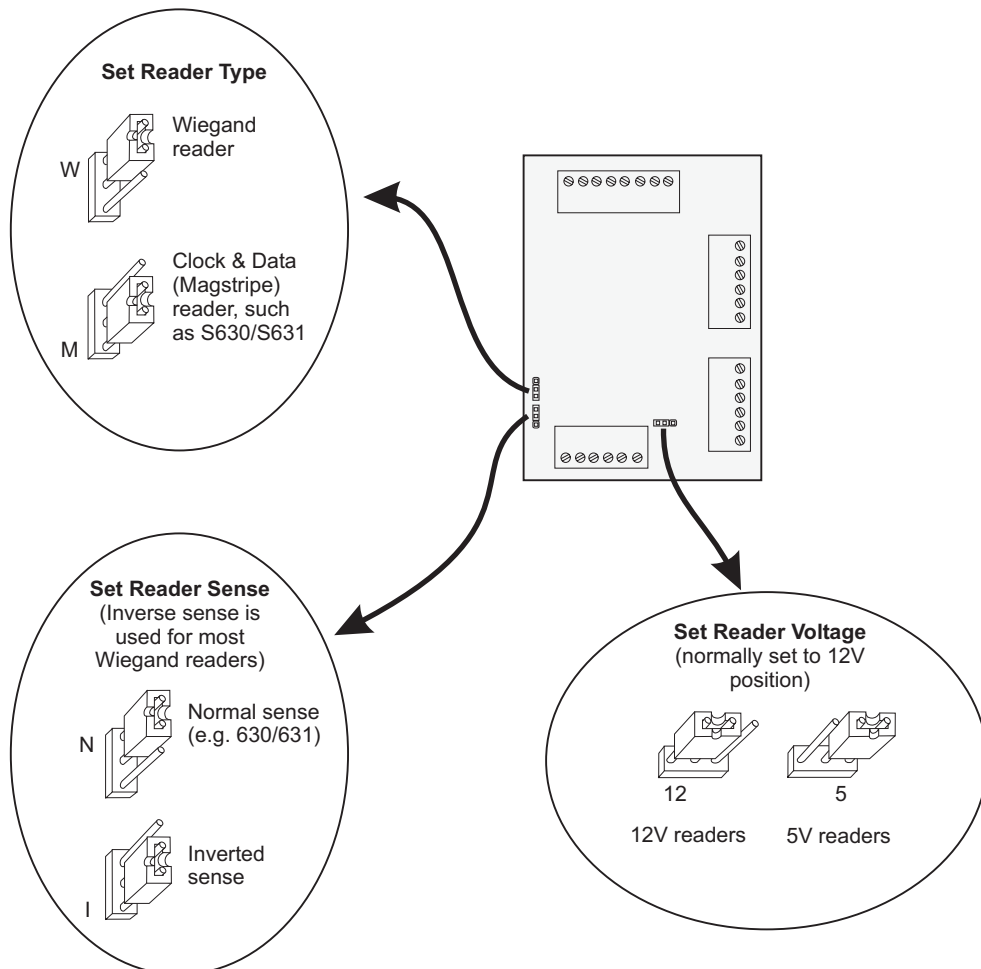


**Note:** If a tamper switch is to be fitted, fit it here.



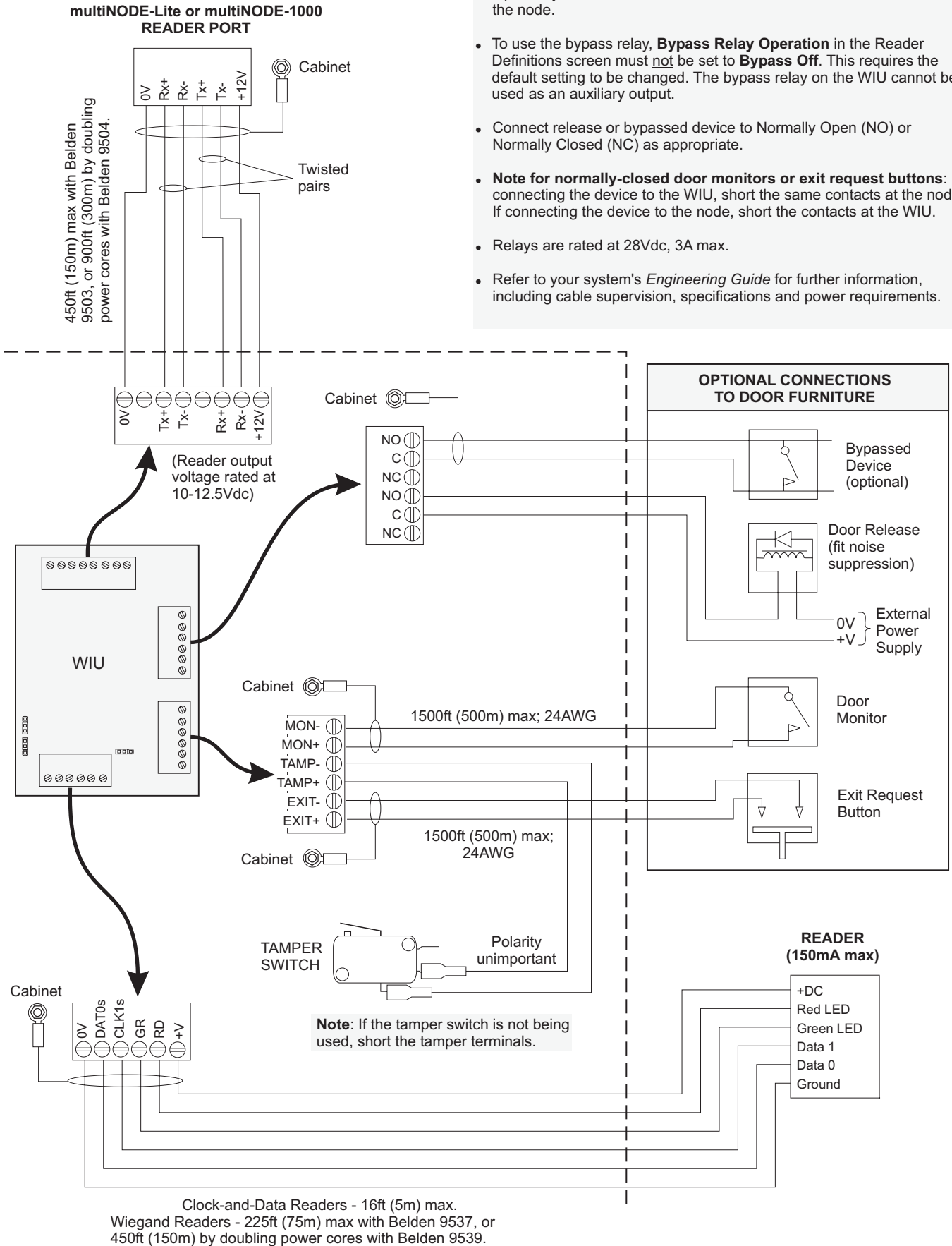
**Cable Routing** - Route wiring through any knock-out in the case. All wiring is power limited. UL compliance requires power-limited and non-power-limited wiring to be separated by at least 0.25" (7mm). Any additional power supply used (e.g. for the door release) must be power limited, UL listed for Access Control Systems and Accessories.

## 2 Links



Note:

- Optionally, the door furniture can be connected to the WIU instead of to the node.
- To use the bypass relay, **Bypass Relay Operation** in the Reader Definitions screen must not be set to **Bypass Off**. This requires the default setting to be changed. The bypass relay on the WIU cannot be used as an auxiliary output.
- Connect release or bypassed device to Normally Open (NO) or Normally Closed (NC) as appropriate.
- **Note for normally-closed door monitors or exit request buttons:** If connecting the device to the WIU, short the same contacts at the node. If connecting the device to the node, short the contacts at the WIU.
- Relays are rated at 28Vdc, 3A max.
- Refer to your system's *Engineering Guide* for further information, including cable supervision, specifications and power requirements.



9600-0287. WIU Installation Instructions, Issue 1.3.1 24th November 2009. © G4S Technology 2009. G4S Technology Limited cannot be held liable for technical and editorial omissions or errors made herein; nor for incidental or consequential damages resulting from the furnishing, performance or use of this material. All trademarks acknowledged.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference. In which case, the user will be required to correct the interference at his own expense.

Specifications

Input voltage: Nominally 12Vdc.  
Input current: 100mA (excluding reader current).  
Operating temperature: 14 to 131°F (-10 to 55°C).  
Operating humidity: 15 to 90%, non-condensing.