



ACTpro 100e Door Station Installation

Wiring for Clock & Data or Wiegand Reader

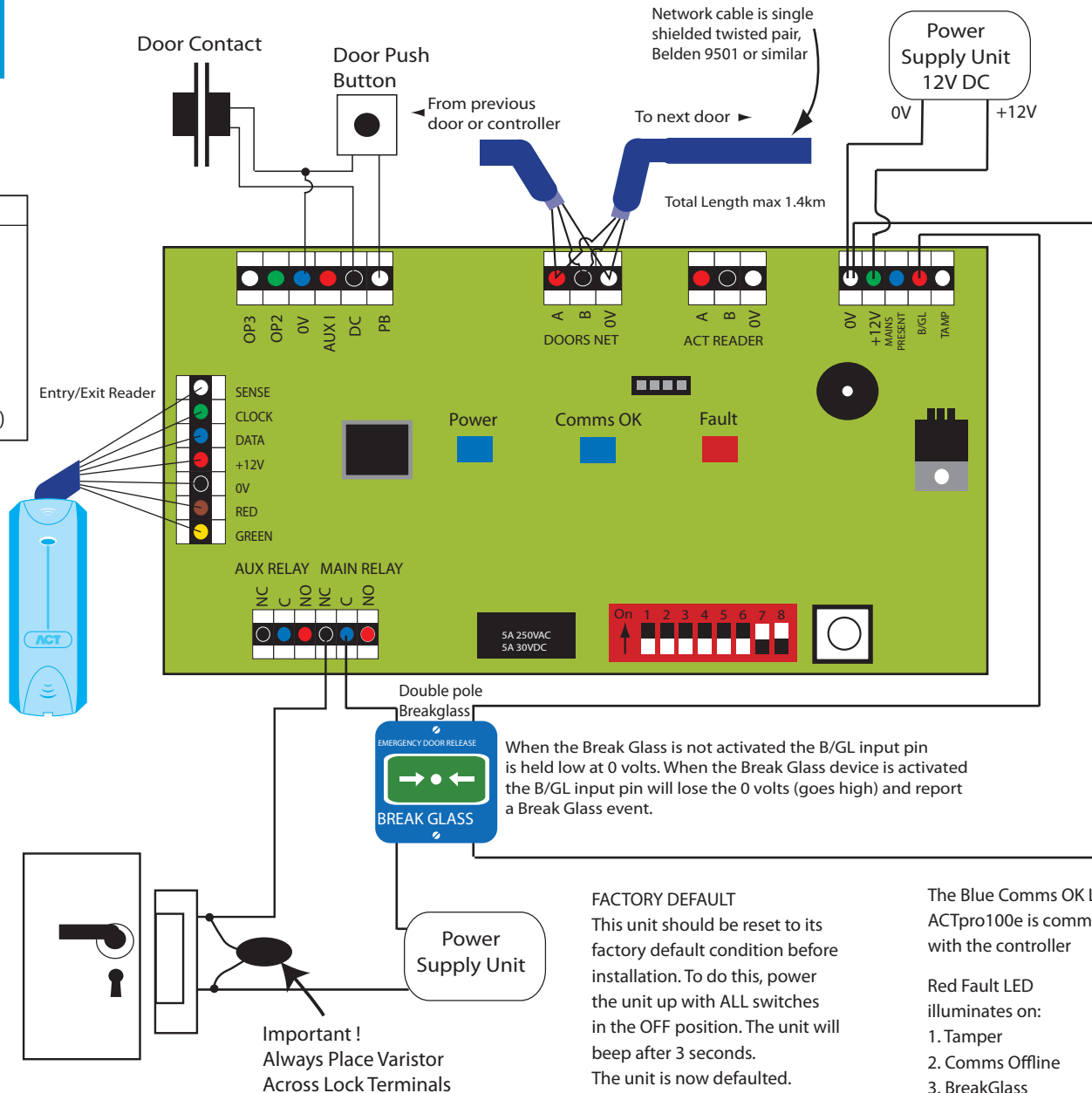
Wire Colour	Terminal
White	SENSE
Green	CLOCK / DATA 1
Blue	DATA / DATA 0
Red	+12V
Black	0V
Brown	RED
Yellow	GREEN
Orange	(Buzzer Control)

EXIT READERS
For Clock & Data readers, wire exit reader in parallel but leave the sense line unconnected.

For Wiegand readers, wire the DATA 0 of the exit reader to SENSE on the ACTpro 100e.

Max length 30m with 5V DC
Max length 100m with 12V DC
Cable: 8 Core Screened
Belden 9504 or equivalent

Note:
This illustration shows wiring for a normally energised lock. If a normally de-energised lock is required, use the N/O relay contacts.



Important!
Always Place Varistor
Across Lock Terminals

FACTORY DEFAULT
This unit should be reset to its factory default condition before installation. To do this, power the unit up with ALL switches in the OFF position. The unit will beep after 3 seconds. The unit is now defaulted.

The Blue Comms OK LED is on while ACTpro100e is communicating with the controller

Red Fault LED illuminates on:
1. Tamper
2. Comms Offline
3. BreakGlass
4. Voltage Low
5. Current Limiting Fuse (500mA)

Note:
If the Mains Present, Door Contact or BreakGlass inputs are not used, they should be linked to 0V

DIP Switch Addressing

Door 1 is on the ACTpro 1500 controller. Max of 16 doors.
Door 1 and 2 is on the ACTpro 4000, 3000 & 2000 controllers. Each has a max of 16 doors.

Required Address	1	2	3	4	5	6	7	8
01	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
02	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
03	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
04	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
05	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
06	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
07	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
08	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
09	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
10	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
11	OFF	OFF	OFF	OFF	ON	OFF	ON	ON
12	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
13	OFF	OFF	OFF	OFF	ON	ON	OFF	ON
14	OFF	OFF	OFF	OFF	ON	ON	ON	ON
15	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
16	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
17	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
18	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
19	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
20	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
21	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
22	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
23	OFF	OFF	OFF	ON	OFF	ON	ON	ON
24	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
25	OFF	OFF	OFF	ON	ON	OFF	OFF	ON
26	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
27	OFF	OFF	OFF	ON	ON	OFF	ON	ON
28	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
29	OFF	OFF	OFF	ON	ON	ON	OFF	ON
30	OFF	OFF	OFF	ON	ON	ON	ON	OFF
31	OFF	OFF	OFF	ON	ON	ON	ON	ON
32	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF