



***Robust, Reliable, Security***  
*– built to withstand harsh environments*

| General Specifications |                 |                                    |
|------------------------|-----------------|------------------------------------|
| Power Requirement*     | - VDC regulated | 5 VDC                              |
| Current Consumption    | - Average       | 53 ma                              |
| (at 5VDC)              | - Peak          | 107 ma                             |
| Card Read Range        | - Metric        | Up to 70 mm                        |
|                        | - USA           | Up to 2.76"                        |
| Operating Temperature  | - Metric        | -25°C to +65°C                     |
|                        | - USA           | -13°F to +149°F                    |
| Relative Humidity      | - % max         | 90%, operating non condensing      |
| Reader Dimensions      | - Metric        | 90mm (L) x 90mm (W) x 27mm (D)     |
|                        | - USA           | 3.54" (L) x 3.54" (W) x 1.06" (D)  |
| Status LED's           | - Colour        | Red, Green & Orange                |
| Audible Tone           |                 | Internal & external buzzer control |
| Colour finish          |                 | Charcoal                           |
| Certifications         |                 | C-tick, FCC, CE                    |
| IP Rating              |                 | IP65                               |
| ROHS                   |                 | Compliant                          |
| 5V M2000               |                 | *At reader terminals               |

The BT815 5V reader is a low profile, extremely robust unit and has been engineered to withstand the harshest of environments. The BT815 5V is designed with ease of installation in mind and may be installed on flush surfaces and mounted on most international standard gang boxes with the addition of a backing plate.

Available in several models, the BT815 5V caters for all security requirements large or small and offers a solution for all applications whether driven by budget or functionality.

| Model Features                                              |            |                |             |                        |      |           |        |         |        |             |            |                  |          |             |       |                |                                     |          |              |           |                 |                |                     |                     |                |                    |                  |              |                  |               |
|-------------------------------------------------------------|------------|----------------|-------------|------------------------|------|-----------|--------|---------|--------|-------------|------------|------------------|----------|-------------|-------|----------------|-------------------------------------|----------|--------------|-----------|-----------------|----------------|---------------------|---------------------|----------------|--------------------|------------------|--------------|------------------|---------------|
|                                                             | Technology |                |             | Authentication Factors |      | Encode    |        |         |        | Encryption  |            |                  |          | Sector Keys |       |                | 13.56MHz Credential type and option |          |              |           | Output Protocol |                |                     | Other               |                |                    |                  |              |                  |               |
|                                                             | BT815 5V   | Mifare Classic | Mifare Plus | DESfire                | Card | Biometric | Keypad | CSN/UID | Sector | Application | Random UID | Diversified Keys | Crypto 1 | Mifare Plus | 3 DES | AES (optional) | MiPASS 2                            | MiPASS 3 | Customisable | ISO14443A | ISO14443B       | Mifare 1K & 4K | Mifare Plus 2K & 4K | DESfire EV1 4K & 8K | Wiegand 32 bit | Wiegand 26-199 Bit | Encrypted RS485* | Read / Write | Indoor / Outdoor | Tamper option |
| BT815 5V -2                                                 | ✓          |                |             | ✓                      |      |           | ✓      | ✓       |        |             | ✓          | ✓                |          |             |       | ✓              |                                     |          | ✓            |           | ✓               |                |                     | ✓                   |                |                    | ✓                | ✓            |                  |               |
| BT815 5V-3                                                  | ✓          |                |             | ✓                      |      |           | ✓      | ✓       |        |             | ✓          | ✓                |          |             |       |                |                                     | ✓        | ✓            | ✓         | ✓               |                |                     |                     | ✓              | ✓                  | ✓                | ✓            | ✓                | ✓             |
| BT815 5V-4                                                  |            |                | ✓           | ✓                      |      |           | ✓      | ✓       | ✓      |             | ✓          | ✓                |          | ✓           |       |                |                                     | ✓        |              | ✓         | ✓               |                | ✓                   | ✓                   |                |                    |                  | ✓            | ✓                |               |
| BT815 5V-6                                                  | ✓          | ✓              | ✓           | ✓                      |      |           | ✓      | ✓       | ✓      | ✓           | ✓          | ✓                | ✓        | ✓           | ✓     |                |                                     |          | ✓            | ✓         | ✓               | ✓              | ✓                   | ✓                   | ✓              | ✓                  | ✓                | ✓            | ✓                | ✓             |
| * Requires High Security Module (HSM) AES 128bit encryption |            |                |             |                        |      |           |        |         |        |             |            |                  |          |             |       |                |                                     |          |              |           |                 |                |                     |                     |                |                    |                  |              |                  |               |