**Outline**

- **Gas turbine interlock module**
  
  **Inputs:** Combustion pressure × 1  
  Blade path temperature × 1  
  Exhaust gas temperature × 1  
  RTD × 1

  **Outputs:** Gas turbine interlock × 4

- **Auxiliary interface**
  
  **Inputs:**  
  - analog 4~20mA × 1  
  - analog 1~5V × 1  
  - digital × 6

  **Outputs:**  
  - analog 1~5V × 2  
  - digital × 1

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<th>ITEM</th>
<th>SPECIFICATION</th>
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| "Combustion pressure" input                                          | 4~20mA × 1 or  
  4~20mA/DC24V distributor × 1 |
| "Blade path temperature" input                                        | -10~80mV × 1  |
| "Exhaust gas temperature" input                                       | -10~80mV × 1  |
| RTD input                                                            | 91~140Ω × 1  
  (-23~104°C) |
| Interlock outputs                                                    | Open collector output × 4  
  DC30V/100mA |
| Auxiliary input (without isolation)                                  | DC30V/100mA/DC24V/4mA |
| Auxiliary outputs (without isolation)                                | DC30V/100mA/DC24V/4mA |
| Self-diagnostic functions                                            | Application abnormal  
  Watchdog timer  
  Clock monitor  
  Connector omission  
  Power supply voltage low  
  Bus time-out |
| Serial interface (for maintenance)                                   | EIA RS-232C (PS/2) × 1 |
| Indicator                                                            | LED × 1  
  2 modes  
  Green (Normal)  
  Red (Abnormal)  
  LED × 16  
  Yellow (General Purpose) |
| Compatible terminal bases                                            | 1794 - TB3/TB3S  
  1794 - TBN/TBNF |
| Dielectric strength                                                  | AC5000V  
  Between analog I/O terminal and FG (1min.)  
  AC1500V  
  Between digital I/O terminal and FG (1min.) |
| Environmental conditions                                            | (Operating)  
  Temperature: 0 ~ 55 °C  
  Humidity: 35 ~ 95 % RH  
  (No condensation) |
|                                                                      | (Storage)  
  Temperature: -10 ~ 70 °C  
  Humidity: Less than 80 % RH  
  (No condensation) |
| Power supply                                                         | DC 24V±10% / Less than 340mA  
  DC 5V / Less than 80mA (FLEX BUS) |
| Shock/Vibration                                                     | 15G / 2G @ 10~500Hz |
| Dimensions                                                          | 110mmD × 46mmH × 92mmW |
FXGTI01 block diagram

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