



## **I.R.M.**

243 Av. Maurice Berteaux - BP 6 - F 59430 SAINT-POL-SUR-MER ( FRANCE )  
SA Capital 184 100 EUROS - SIRET 075 751 628 00019 - APE 2404 - NAF 291A  
Tel : 33 3 28 29 28 10 - Fax : 33 3 28 61 61 61  
Mail to : [jean-dewaele@irmdiesel.fr](mailto:jean-dewaele@irmdiesel.fr)  
Contact : **Jean Dewaele**

**Objet : AMOT TomaHawk**  
**Reference : Programmeur de séquences automatiques**

Ce nouveau programmeur bon marché permet des applications simples ou complexes

Il permet d'utiliser des transmetteurs courants et bon marché

Sa programmation intuitive (grâce au logiciel) permet de programmer vite et simple,

d'où une réduction des coûts correspondants

Destination :

Moteurs Thermiques  
Groupes électrogènes  
Pompes et électro-pompes  
Compresseurs et électro-compresseurs  
Etc....

**DEMANDEZ-NOUS UN DEVIS**

**Jean DEWAELE**  
**IRM FRANCE**

Tel : 03 28 29 28 10  
Fax : 03 28 61 61 61  
e-mail : [irm@irmdiesel.fr](mailto:irm@irmdiesel.fr)  
tel mobile gsm : 06 60 30 28 27

## TomaHawk specification

### Power requirements

|         |                    |
|---------|--------------------|
| Voltage | 24 VDC (18-36 VDC) |
| Current | 2.0A max (24 VDC)  |

### Environment

|             |                                |
|-------------|--------------------------------|
| Temperature | 0° to 150°F (-18° to 65°C)     |
| Sealing     | NEMA 4 (IP65) from front panel |

### Digital input (non-incendive)

|                          |                       |
|--------------------------|-----------------------|
| Type                     | 32 volt-free contacts |
| Open circuit condition   | >340 kOhms            |
| Closed circuit condition | < 1 kOhms             |

### Speed input (non-incendive)

|                  |                       |
|------------------|-----------------------|
| Type             | Magnetic pickup       |
| Signal amplitude | Zero crossing >2V P-P |

### Analog inputs (optional non-incendive)

|                              |                                     |
|------------------------------|-------------------------------------|
| Thermocouple type            | 8 to 64 J and/or K                  |
| Accuracy                     | Better than 1% FSD                  |
| Temperature range            | Full range of J/K thermocouple      |
| 4-20mA                       | 8 to 32 2-wire passive sensor       |
| Accuracy                     | Better than 1% FSD                  |
| Loop power                   | 24 VDC (provided by TomaHawk 8635A) |
| RTD                          | 8 to 32 PT100 DIN (IEC) 3-wire      |
| Accuracy                     | Better than 1% of FSD               |
| Excitation                   | Low duty cycle, pulsed. 10mA pea    |
| Temperature range            | -200° to +795°F                     |
| Cable resistance (each wire) | 10 Ohms maximum                     |

### Analog outputs (optional)

|          |                          |
|----------|--------------------------|
| Type     | 1 to 6 4-20mA (2 wire)   |
| Accuracy | Better than 0.75% of FSD |

### Digital outputs

|           |  |
|-----------|--|
| Type      | 24 solid state relay drivers (common ground) |
| Rating    | 36V/300mA                                    |
| Isolation | 1,500 Vac                                    |

### Communications

|              |   |
|--------------|---|
| Serial ports | RS-232C/RS-485/RS-422   |
| Quantity     | 2 DB9M (RS-232C and RS 422/485 hardware or software switchable) |
| Protocol     | MODBUS-RTU (slave device)                                       |
| Baud rates   | 1,200-19,200 baud   |

