

INV RANGE

A range of Inverter fan speed controllers designed for speed controllable 3 phase motors. The INV range of controllers are housed in metal enclosures. The inverters come pre-programmed and feature a stop/start switch and speed adjustment dial. As an optional extra we offer remote (not wireless) speed adjustment stations.

Please note when ordering inverters, order as follows:

1Ph-3Ph inverters: Part code is INV1-x-y where x is the kW of the fan motor and y is the actual F.L.C. of the fan motor. Please note that on INV1 inverters the F.L.C. stated must be that at 230v 3Ph.

3Ph-3Ph inverters: Part code is INV3-x-y where x is the kW of the fan motor and y is the actual F.L.C. of the fan motor.

When choosing the inverter please ensure that the F.L.C. of the fan motor +10% does not exceed the max rating (in amps) of the inverter. This allows (if required) the carrier frequency to be changed.

| Single Phase input (INV1) 230v 1Ph 50Hz input/ 230v 3Ph output |                      |                        |        |
|--|----------------------|------------------------|--------|
| Electrical supply  | Max rating (kW/Amps) | Dimensions (H x W x D) | £      |
| 230v 1Ph 50Hz  | 0.4/2.8              | 400mm x 300mm x 200mm  | 574.03 |
| 230v 1Ph 50Hz  | 0.75/5               | 400mm x 300mm x 200mm  | 590.36 |
| 230v 1Ph 50Hz  | 1.5/8                | 400mm x 300mm x 200mm  | 620.69 |
| 230v 1Ph 50Hz  | 2.2/11               | 400mm x 300mm x 200mm  | 695.36 |
| 230v 1Ph 50Hz  | 4/17.6               | 500mm x 400mm x 200mm  | 878.36 |



| Three Phase input (INV3) 400v 3Ph 50Hz input/ 400v 3Ph output |                      |                        |         |
|---|----------------------|------------------------|---------|
| Electrical supply   | Max rating (kW/Amps) | Dimensions (H x W x D) | £       |
| 400v 3Ph 50Hz   | 0.75/2.5             | 400mm x 300mm x 200mm  | 627.69  |
| 400v 3Ph 50Hz   | 1.5/4.2              | 400mm x 300mm x 200mm  | 639.36  |
| 400v 3Ph 50Hz   | 2.2/5.8              | 400mm x 300mm x 200mm  | 697.69  |
| 400v 3Ph 50Hz   | 4/9.5                | 400mm x 300mm x 200mm  | 723.36  |
| 400v 3Ph 50Hz   | 5.5/13               | 500mm x 400mm x 200mm  | 951.92  |
| 400v 3Ph 50Hz + neutral                                       | 7.5/17               | 500mm x 400mm x 200mm  | 1217.47 |
| 400v 3Ph 50Hz + neutral                                       | 11/25                | 600mm x 600mm x 250mm  | 1514.92 |
| 400v 3Ph 50Hz + neutral                                       | 15/32                | 600mm x 600mm x 250mm  | 1670.79 |
| 400v 3Ph 50Hz + neutral                                       | 18.5/38              | 700mm x 500mm x 250mm  | 2246.91 |
| 400v 3Ph 50Hz + neutral                                       | 22/46                | 700mm x 500mm x 250mm  | 2445.25 |



Remote speed adjustment station RSAS-M (Optional extra)



Remote speed adjustment station RSAS-PC (Optional extra)

Higher rated models available. Please enquire for pricing.

| Model no. | Optional extra   | £     |
|-----------|--|-------|
| RSAS-M    | Remote speed adjustment station with on/off switch (metal front plate)         | 35.72 |
| RSAS-PC   | Remote speed adjustment station with on/off switch (polycarbonate front plate) | 32.72 |
| RSAS-IP65 | IP65 Remote speed adjustment station with on/off switch                        | 74.41 |



IP65 Remote speed adjustment station RSAS-IP65 (Optional extra)

Inverters for Demand Control Ventilation (DCV)

Most ventilation systems are designed to supply ventilated air based on assumed, rather than actual, occupancy. This often results in over-ventilation, wasting both money and energy. The solution to this is Demand Control Ventilation (DCV) whereby a sensor measures the actual conditions and, when used in conjunction with a frequency inverter, the ventilation rate is automatically adjusted ensuring the building is ventilated cost effectively.

We can offer any of our inverters along with a sensor such as temperature or pressure so as to provide a controls package where a constant value e.g temperature, pressure is to be maintained. Please enquire for details.