

OPTIDRIVE™ CP²

AC Variable Speed Drive

Powerful Performance
Advanced motor control



0.75kW–250HP / 1HP–400HP
200–600V Single & 3 Phase Input



Powerful Performance

World leading control for the latest generation of permanent magnet and standard induction motors

Manufacturing Conveyor Systems Machine Tools Processing Plants Chemical
Pumping Plastics Rubber Elevators Cranes



World Leading Motor Control

The Optidrive P2 offers the perfect combination of high performance together with ease of use to allow even the most demanding applications to be tackled easily.

Designed for fast installation and commissioning, Optidrive P2 provides the most cost effective solution for industry.

All Optidrive P2 units provide 150% overload for 60 seconds as standard, ensuring each drive is suitable for Heavy Duty applications, whilst the IP55 enclosed versions ensure the drive is tough enough to survive in industrial environments.

Extensive I/O and communications interface capabilities ensure the drive can be integrated quickly and efficiently into a wide variety of control systems with the minimum commissioning time, ensuring rapid start up. Invertertek's simple parameter structure, and carefully selected factory parameter settings ensure that commissioning time is kept to a minimum.



Compliant with international standards.
Manufactured in the UK.

150% overload for 60 seconds



IP20

Up to 350HP, 450A



IP55 / NEMA 12

Up to 250HP, 302A



IP66 / NEMA 4X

Up to 10HP, 18A

Advanced Motor Control

Optidrive P2 has been uniquely developed to allow a wide range of different motor types to be used, with only parameter changes being required. This technology allows the same drive to be used in a wide range of applications, allowing OEMs and end user alike to take advantage of the energy saving provided by using the latest motor technologies.

AC Induction Motors

The majority of AC motors in use today around the world are standard induction motors. These motors are relatively low cost, readily available and provide good performance with long service life. With the ever increasing focus on energy efficiency, motor manufacturers have refined and improved their designs in recent years.

Optidrive P2 has been developed to provide optimum control and maximum efficiency when operating with older motors designs, or newer high efficiency designs.

Operation can be in simple V/F control mode or in High Performance Third Generation Vector Mode, which provides up to 200% torque from zero speed without requiring an encoder.

Permanent Magnet AC Motors

Permanent magnet AC motors provide improved efficiency compared to standard induction motors. Using permanent magnets in the motor construction eliminates the need for any magnetising current, reducing electrical losses. PM motors have been used for many years in high performance applications, however this has always required the use of a feedback device, such as a resolver or encoder. Optidrive P2 has been designed to operate with AC PM motors without requiring any feedback device, allowing them to be used for their energy efficiency benefits without incurring extra cost and complexity in applications which do not require position feedback.

Brushless DC Motors

BLDC motors are similar to AC PM motors, however the design requires a slightly different control method to optimise the performance. Optidrive P2 has the flexibility to control this type of motor, requiring only simple parameter changes. This provides much greater flexibility for OEMs, allowing Optidrive P2 to be used in a variety of applications, with various motor types.

Synchronous Reluctance Motors

Synchronous Reluctance Motors (SynRM), not to be confused with Switched Reluctance Motors, share a similar stator construction to standard induction motors, however the rotor is substantially different, in order to improve the overall efficiency of the motor. SynRM motors are ideally suited to variable torque applications.

Optidrive P2 can control synchronous reluctance motors, allowing the energy saving benefits to be realised.

At a Glance...

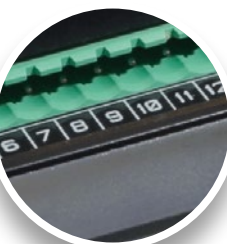
High performance, excellent usability and flexible to meet the needs of your application

Keyhole
Mounts for fast
installation

Integrated
Keypad &
Display


IP55 / NEMA 12

Integrated
EMC Filter



Pluggable Control
Terminals



High Quality
Long-life Fans

Integral
Brake
Transistor



Integrated Cable
Management



Contactor-style Power Wiring Arrangement



Keyhole Mounts for fast installation



DIN Rail Mount

Modbus RTU and CANopen on board as standard



Pluggable Modules for I/O, Encoder, Alternative Fieldbus

Modbus
CANopen



Safe Torque Off (provided as standard)

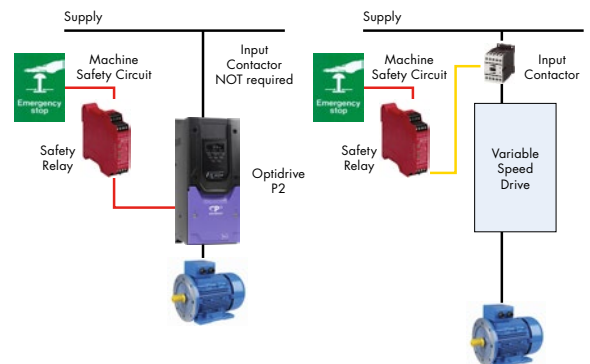
Optidrive P2 features a safe torque off function to allow simple integration into machine critical safety circuits.

- Simple machine design reduces component costs, saves panel space and minimises installation time
- Faster shut down and reset procedures reduce system maintenance time
- Better safety standard compared to mechanical solution
- Better motor connection. Single cable with no interruption.



With

Without



Applications

High performance, accurate motor control for even the most demanding of applications



Mining & Quarrying

- Feed conveyers
- Crushers
- Cranes

Metals & Processing

- Grinding
- Cutting
- Polishing
- Drilling
- Rolling

Rubber & Plastics

- Extruders
- Moulding
- Mixers
- Winding

Food & Beverage

- Conveyers
- Pumps
- Mixers
- Palletisers

Powerful, versatile and
easy to use

Cranes



Requirements:

- High starting torque
- Smooth motor operation throughout starting and stopping phases
- Motor holding brake control
- Avoidance of load droop and sag
- Regeneration and braking capability during load lowering

Optidrive P2 provides:

- Dedicated Hoist Mode Operation with motor holding brake control algorithm
- Up to 200% torque from zero speed in vector operation without encoder feedback
- Multiple Preset Speed or variable speed operation
- Built in dynamic braking transistor, requires only an external resistor

Compressors



Requirements:

- Precise regulation of speed to ensure a consistent end product
- High starting torque demand in many applications
- Maximum efficiency under all conditions
- Safe operation to prevent accidents and injuries

Optidrive P2 Provides:

- PM Motor control mode to allow open loop operation with Permanent Magnet motors for maximum efficiency
- Maximum starting torque with standard AC motors
- Better than 0.5% speed holding accuracy in Open Loop Vector Operation
- Dedicated Safe Torque Off input complies with EN62061 SIL Level 2 for safe operation

Winding



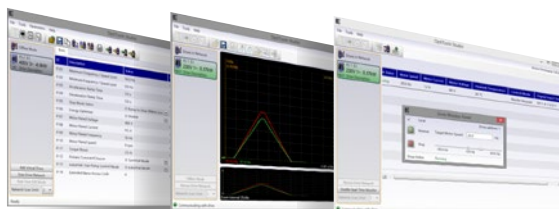
Requirements:

- Precise control of motor torque over a broad speed range
- Accurate control of material tension under all conditions
- Open or closed loop control capability, based on tension feedback or winding diameter
- Web break protection in case of material breakage

Optidrive P2 Provides:

- PID Closed Loop Tension Control with feedback from a load cell or dancer arm
- Open Loop Vector control provides optimum control of the output torque level
- Encoder feedback option allows for a very wide speed range, even down to zero speed
- Safe Torque Off input immediately disables the drive in Emergency conditions

OptiTools
Studio



Powerful PC Software

Drive commissioning and parameter backup

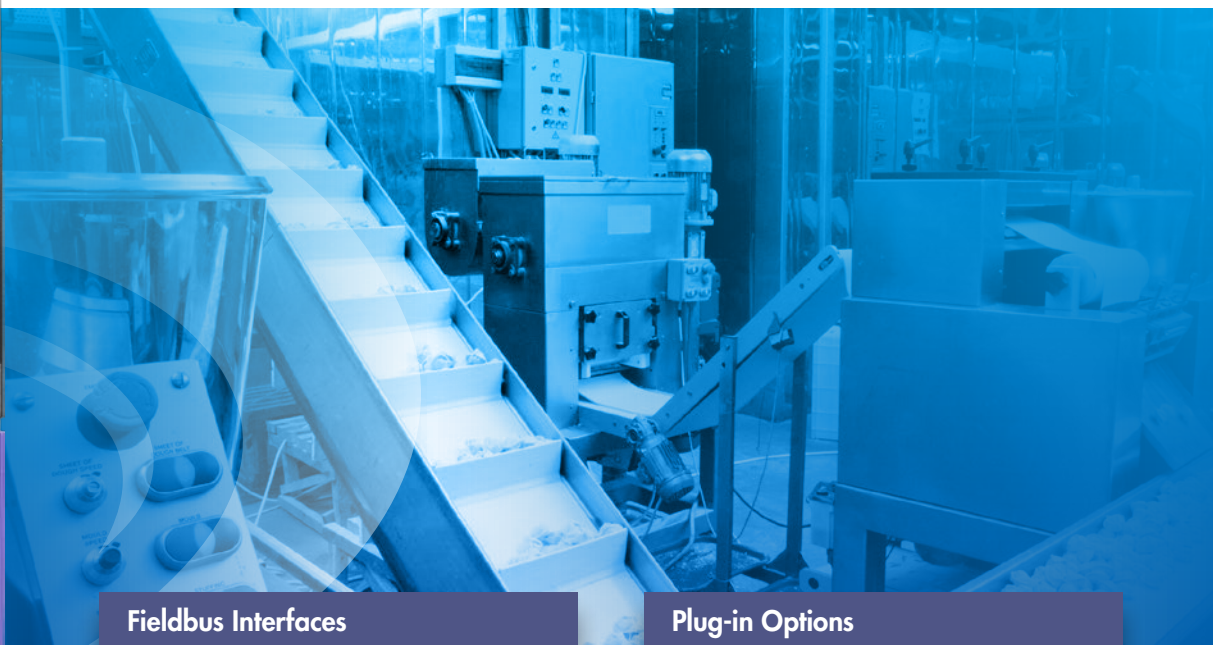
- Real-time parameter editing
- Drive network communication
- Parameter upload, download and storage
- Simple PLC function programming
- Real-time scope function and data logging
- Real-time data monitoring

Compatible with:

Windows XP
Windows Vista
Windows 7
Windows 8
Windows 8.1
Windows 10

Options & Accessories

Installation options, plug-in modules and commissioning tools



Modbus RTU and CANopen on board as standard

For additional communication interfaces or functionality a range of plug-in modules is available:

Fieldbus Interfaces



Profibus DP
OPT-2-PROFB-IN



DeviceNet
OPT-2-DEVNT-IN



Ethernet IP
OPT-2-ETHNT-IN



Modbus TCP
OPT-2-MODIP-IN



Profinet
OPT-2-PFNET-IN



EtherCat
OPT-2-ETCAT-IN



Plug-in Options



Encoder Feedback
OPT-2-ENCOD-IN (5 Volt)
OPT-2-ENCHT-IN (15 – 30 Volt)

Closed loop encoder feedback, compatible with a wide range of incremental encoders

Extended I/O
OPT-2-EXTIO-IN

- Additional 3 Digital Inputs
- Additional Relay Output

Extended Relay
OPT-2-CASCD-IN

Additional 3 Relay Outputs:

Relay 3 – Drive Healthy Indication
Relay 4 – Drive Fault Indication
Relay 5 – Drive Running Indication

Functions are programmable / adjustable

Installation & Peripheral Options

A range of external EMC Filters, Brake Resistors, Input Chokes and Output Filters are available, to suit all installation requirements

Optistick Smart



Rapid Commissioning Tool

- Allows copying, backup and restore of drive parameters
- Provides Bluetooth interface to a PC running OptiTools Studio or the OptiTools Mobile app on a smartphone
- Onboard NFC (Near Field Communication) for rapid data transfer

OPT-3-STICK-IN

OPT-3-WLKIT-IN

Optistick Smart + Bluetooth Dongle

OPT-3-PCKIT-IN

Optistick Smart + Bluetooth Dongle + NFC Pad

PC Connection Kit



OPT-2-USB-OBUS is a dedicated PC connection kit for all Optidrive models, allowing direct connection from the PC USB port to the drive RJ45 communication connection for use with Optitools studio software.

OPT-2-USB485-OBUS

Optipad



Remote Keypad
TFT Display

Optipad Language Support

- English
- German
- Spanish
- Italian
- French
- Swedish
- Russian
- Polish
- Portuguese
- Finnish

OPT-3-OPPAD-IN

Through Hole Mount Kit



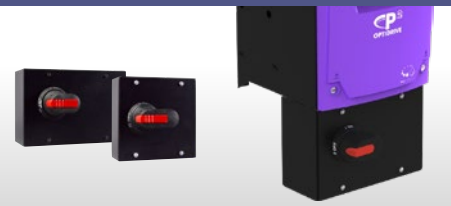
Through Hole
Mounting

Through hole mount kits allow optidrive to be mounted through panel, ensuring that the heat from the drives heat sink is kept separate from the control electronics. This allows the optimum panel cooling arrangement to be used, with best possible separation of hot and cold air.

OPT-2-TMHT04
OPT-2-TMHT05

OPT-2-TMHT06
OPT-2-TMHT07

Local Isolator



Local isolator option allows complete disconnection of the incoming AC power to the drive. The isolator mounts directly to the drive, and provides a local disconnect option. The handle can be padlocked in the off position for safe maintenance.

OPT-2-ISOLO-S4

OPT-2-ISOLO-S5

Brake Resistors



Optibrake dynamic braking resistors are designed specifically for the Optidrive range. For use with high inertia loads which need to be stopped rapidly. Optibrake dynamic braking resistors assist the Optidrive in managing the electrical energy returned from the motor during braking by converting it to heat energy.

OD-BR100-IN
OD-BRES4-IN

	kW	HP	Amps	Frame Size	HP Model Code	Product Family	Generation	Frame Size	Voltage Code	Power Rating Code	Supply Phases	Power Type	Exc. Filter	Brake Transistor	IP20 Cabinet Mount	IP55/ NEMA12 TFT Display	Outdoor IP66/ NEMA4X Non Switched	Outdoor IP66/ NEMA4X Switched
200-240V ±10% 1 Phase Input 200-240V 3 Phase Output	0.75	1	4.3	2	ODP	- 2 - 2 2	010	- 1	H	F	4	#			2-MN		A-MN	B-MN
	1.5	2	7	2	ODP	- 2 - 2 2	020	- 1	H	F	4	#			2-MN		A-MN	B-MN
	2.2	3	10.5	2	ODP	- 2 - 2 2	030	- 1	H	F	4	#			2-MN		A-MN	B-MN
	4	5	15.3	3	ODP	- 2 - 3 2	050	- 1	H	F	4	#					A-MN	B-MN
	5.5	7.5	24	4	ODP	- 2 - 4 2	075	- 1	H	O	4	#					A-MN	B-MN
	7.5	10	30	4	ODP	- 2 - 4 2	100	- 1	H	O	4	#					A-MN	B-MN
200-240V ±10% 3 Phase Input 200-240V 3 Phase Output	0.75	1	4.3	2	ODP	- 2 - 2 2	010	- 3	H	F	4	#			2-MN		A-MN	B-MN
	1.5	2	7	2	ODP	- 2 - 2 2	020	- 3	H	F	4	#			2-MN		A-MN	B-MN
	2.2	3	10.5	2	ODP	- 2 - 2 2	030	- 3	H	F	4	#			2-MN		A-MN	B-MN
	4	5	18	3	ODP	- 2 - 3 2	050	- 3	H	F	4	#			2-MN		A-MN	B-MN
	5.5	7.5	24	3	ODP	- 2 - 3 2	075	- 3	H	F	4	#			2-MN		A-MN	B-MN
	5.5	7.5	24	4	ODP	- 2 - 4 2	075	- 3	H	F	4	#				N-MN		
	7.5	10	30	4	ODP	- 2 - 4 2	100	- 3	H	F	4	#			2-MN	N-MN	A-MN	B-MN
	11	15	46	4	ODP	- 2 - 4 2	150	- 3	H	F	4	#			2-MN	N-MN	A-MN	B-MN
	15	20	60	5	ODP	- 2 - 5 2	020	- 3	H	F	4	#			2-MN	N-MN		
	18.5	25	72	5	ODP	- 2 - 5 2	025	- 3	H	F	4	#			2-MN	N-MN		
	22	30	90	6	ODP	- 2 - 6 2	030	- 3	H	F	4	#				N-MN		
	22	30	90	6A	ODP	- 2 - 6 2	030	- 3	H	F	4	#			2-MN			
	30	40	110	6	ODP	- 2 - 6 2	040	- 3	H	F	4	#				N-MN		
	30	40	110	6A	ODP	- 2 - 6 2	040	- 3	H	F	4	#			2-MN			
	37	50	150	6	ODP	- 2 - 6 2	050	- 3	H	F	4	#				N-MN		
	37	50	150	6B	ODP	- 2 - 6 2	050	- 3	H	F	4	#			2-MN			
	45	60	180	6	ODP	- 2 - 6 2	060	- 3	H	F	4	#				N-MN		
	45	60	180	6B	ODP	- 2 - 6 2	060	- 3	H	F	4	#			2-MN			
	55	75	202	7	ODP	- 2 - 7 2	075	- 3	H	F	4	#				N-MN		
	75	100	248	7	ODP	- 2 - 7 2	100	- 3	H	F	4	#				N-MN		
380-480V ±10% 3 Phase Input 380-480V 3 Phase Output	0.75	1	2.2	2	ODP	- 2 - 2 4	010	- 3	H	F	4	#			2-MN		A-MN	B-MN
	1.5	2	4.1	2	ODP	- 2 - 2 4	020	- 3	H	F	4	#			2-MN		A-MN	B-MN
	2.2	3	5.8	2	ODP	- 2 - 2 4	030	- 3	H	F	4	#			2-MN		A-MN	B-MN
	4	5	9.5	2	ODP	- 2 - 2 4	050	- 3	H	F	4	#			2-MN		A-MN	B-MN
	5.5	7.5	14	3	ODP	- 2 - 3 4	075	- 3	H	F	4	#			2-MN		A-MN	B-MN
	7.5	10	18	3	ODP	- 2 - 3 4	100	- 3	H	F	4	#			2-MN		A-MN	B-MN
	11	15	24	3	ODP	- 2 - 3 4	150	- 3	H	F	4	#			2-MN		A-MN	B-MN
	11	15	24	4	ODP	- 2 - 4 4	150	- 3	H	F	4	#				N-MN		
	15	20	30	4	ODP	- 2 - 4 4	200	- 3	H	F	4	#			2-MN	N-MN	A-MN	B-MN
	18.5	25	39	4	ODP	- 2 - 4 4	250	- 3	H	F	4	#			2-MN	N-MN	A-MN	B-MN
	22	30	46	4	ODP	- 2 - 4 4	300	- 3	H	F	4	#			2-MN	N-MN	A-MN	B-MN
	30	40	61	5	ODP	- 2 - 5 4	040	- 3	H	F	4	#			2-MN	N-MN		
	37	50	72	5	ODP	- 2 - 5 4	050	- 3	H	F	4	#			2-MN	N-MN		
	45	60	90	6	ODP	- 2 - 6 4	060	- 3	H	F	4	#				N-MN		
	45	60	90	6A	ODP	- 2 - 6 4	060	- 3	H	F	4	#			2-MN			
	55	75	110	6	ODP	- 2 - 6 4	075	- 3	H	F	4	#				N-MN		
	55	75	110	6A	ODP	- 2 - 6 4	075	- 3	H	F	4	#			2-MN			
	75	120	150	6	ODP	- 2 - 6 4	120	- 3	H	F	4	#				N-MN		
	75	120	150	6B	ODP	- 2 - 6 4	120	- 3	H	F	4	#			2-MN			
	90	150	180	6	ODP	- 2 - 6 4	150	- 3	H	F	4	#				N-MN		
	90	150	180	6B	ODP	- 2 - 6 4	150	- 3	H	F	4	#			2-MN			
	110	175	202	6B	ODP	- 2 - 6 4	175	- 3	H	F	4	#			2-MN			
	110	175	202	7	ODP	- 2 - 7 4	175	- 3	H	F	4	#				N-MN		
	132	200	240	7	ODP	- 2 - 7 4	200	- 3	H	F	4	#				N-MN		
	160	250	302	7	ODP	- 2 - 7 4	250	- 3	H	F	4	#				N-MN		
	200	300	370	8	ODP	- 2 - 8 4	300	- 3	H	F	4	#			2-MN	N-MN		
	250	400	480	8	ODP	- 2 - 8 4	250	- 3	H	F	4	#			2-MN	N-MN		
500-600V ±10% 3 Phase Input 500-600V 3 Phase Output	0.75	1	2.1	2	ODP	- 2 - 2 6	010	- 3	H	O	4	#			2-MN		A-MN	B-MN
	1.5	2	3.1	2	ODP	- 2 - 2 6	020	- 3	H	O	4	#			2-MN		A-MN	B-MN
	2.2	3	4.1	2	ODP	- 2 - 2 6	030	- 3	H	O	4	#			2-MN		A-MN	B-MN
	4	5	6.5	3	ODP	- 2 - 2 6	050	- 3	H	O	4	#			2-MN		A-MN	B-MN
	5.5	7.5	9	2	ODP	- 2 - 2 6	075	- 3	H	O	4	#			2-MN		A-MN	B-MN
	7.5	10	12	3	ODP	- 2 - 3 6	100	- 3	H	O	4	#			2-MN		A-MN	B-MN
	11	15	17	3	ODP	- 2 - 3 6	150	- 3	H	O	4	#			2-MN		A-MN	B-MN
	15	20	22	3	ODP	- 2 - 3 6	200	- 3	H	O	4	#			2-MN		A-MN	B-MN
	15	20	22	4	ODP	- 2 - 4 6	200	- 3	H	O	4	#				N-MN		
	18.5	25	28	4	ODP	- 2 - 4 6	250	- 3	H	O	4	#			2-MN	N-MN	A-MN	B-MN
	22	30	34	4	ODP	- 2 - 4 6	300	- 3	H	O	4	#			2-MN	N-MN	A-MN	B-MN
	30	40	41	4	ODP	- 2 - 4 6	400	- 3	H	O	4	#			2-MN	N-MN	A-MN	B-MN
	37	50	54	5	ODP	- 2 - 5 6	050	- 3	H	O	4	#			2-MN	N-MN		
	45	60	65	5	ODP	- 2 - 5 6	060	- 3	H	O	4	#			2-MN	N-MN		
	55	75	78	6	ODP	- 2 - 6 6	075	- 3	H	O	4	#				N-MN		
	75	100	105	6	ODP	- 2 - 6 6	100	- 3	H	O	4	#				N-MN		
	90	125	130	6	ODP	- 2 - 6 6	125	- 3	H	O	4	#				N-MN		
	110	150	150	6	ODP	- 2 - 6 6	150	- 3	H	O	4	#				N-MN		

Enclosure & Display Types

2-MN **IP20**
Cabinet Mount



N-MN **IP55/NEMA12**
With TFT Display



A-MN **Outdoor IP66/NEMA4X**
Non-switched



B-MN **Outdoor IP66/NEMA4X**
Switched

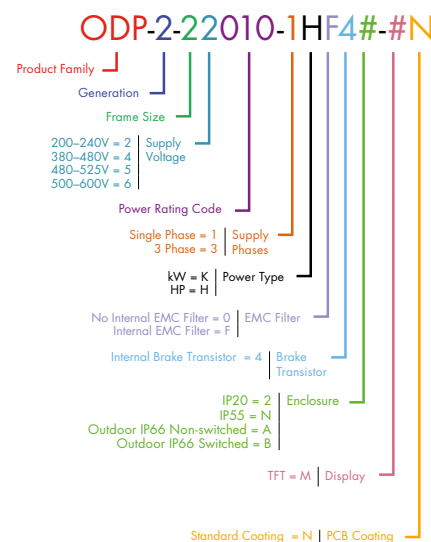


HP Models: Factory Settings
Motor Rated Frequency: 60Hz
Motor Rated Voltage: 30/460/575V

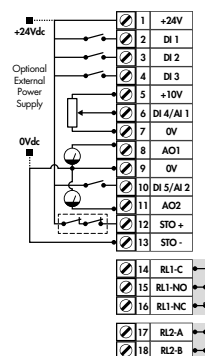
Drive Specification

Input Ratings	Supply Voltage	200 – 240V ± 10% 380 – 480V ± 10% 500 – 600V ± 10%	Fieldbus Connectivity	Built-in	CANopen 125 – 1000kbps Modbus RTU 9.6 – 115.2 kbps selectable 8N1, 8N2, 8E1, 8O1
	Supply Frequency	48 – 62Hz		Optional	PROFIBUS DP (DPV1) PROFINET IO DeviceNet EtherNet/IP EtherCAT Modbus TCP
Output Ratings	Displacement Power Factor	> 0.98	I/O Specification	Power Supply	24 Volt DC, 100mA, Short Circuit Protected 10 Volt DC, 10mA for Potentiometer
	Phase Imbalance	3% Maximum allowed		Programmable Inputs	5 Total as standard (Optional additional 3) 3 Digital (Optional additional 3) 2 Analog / Digital Selectable
Ambient Conditions	Inrush Current	< rated current		Digital Inputs	Opto - Isolated 8 – 30 Volt DC, internal or external supply Response time < 4ms
	Power Cycles	120 per hour maximum, evenly spaced		Analog Inputs	Resolution: 12 bits Response time: < 4ms Accuracy: < 1% full scale Parameter adjustable scaling and offset
Enclosure	Temperature	Storage: –40 - 140°F Operating: 14 - 122°F	Application Features	PTC Input	Motor PTC / Thermistor Input Trip Level: 3kΩ
	Altitude	Up to 1000m ASL without derating Up to 2000m maximum UL Approved Up to 4000m maximum (non UL)		Programmable Outputs	4 Total (Optional additional 3) 2 Analog / Digital 2 Relays (Optional additional 3)
Programming	Humidity	95% Max, non condensing		Relay Outputs	Maximum Voltage: 250 VAC, 30 VDC Switching Current Capacity: 5A AC, 5A DC
	Vibration	Conforms to IEC 60068-2-6 Sinusoidal Vibration 10 - 57Hz @ 0.075mm Pk 57 - 150Hz @ 1g Pk	Maintenance & Diagnostics	Analog Outputs	0 to 10 Volt 0 to 20mA 4 to 20mA
Control Specification	Ingress Protection	IP20, IP55 NEMA12, IP66 NEMA4X		Fault Memory	Last 4 Trips stored with time stamp
	Keypad	Built-in keypad as standard Optional remote mountable keypad		Data Logging	Logging of data prior to trip for diagnostic purposes: Output Current Drive Temperature DC Bus Voltage
Setpoint Control	Display	Built-in multi language TFT		Maintenance Indicator	Maintenance Indicator with user adjustable maintenance interval Onboard service life monitoring
	PC	OptiTools Studio		Monitoring	Hours Run Meter Resettable & Non Resettable kWh meters Cooling Fan Run Time
Control Method	V/F Voltage Vector	V/F Voltage Vector Energy Optimised V/F	Standards Compliance	Low Voltage Directive	2014/35/EU
	3GV Sensorless Vector Speed Control	3GV Sensorless Vector Speed Control		EMC Directive	2014/30/EU
PWM Frequency	3GV Sensorless Vector Torque Control	3GV Sensorless Vector Torque Control		Additional Conformance	UL, cUL, EAC, RCM
	Closed Loop (Encoder) Speed Control	Closed Loop (Encoder) Speed Control		Marine Certification	DNV Type Approval
Stopping Mode	PN Vector Control	PN Vector Control		Environmental Conditions	Designed to meet IEC 60721-3-3, in operation: IP20 Drives: 3S2/3C2 IP55 & 66 Drives: 3S3/3C3
	BLDC Control	BLDC Control			
Braking	Synchronous Reluctance	Synchronous Reluctance			
	Motor Flux Braking	Motor Flux Braking			
Skip Frequency	Built-in Braking Transistor	Built-in Braking Transistor			
	Single point, user adjustable	Single point, user adjustable			
Analog Signal	0 to 10 Volts	0 to 10 Volts			
	10 to 0 Volts	10 to 0 Volts			
Digital	0 to 20mA	0 to 20mA			
	20 to 0mA	20 to 0mA			
Motorised Potentiometer (Keypad)	4 to 20mA	4 to 20mA			
	20 to 4mA	20 to 4mA			
Modbus RTU	Modbus RTU	Modbus RTU			
	CANopen	CANopen			

Model Code Guide



Connection Diagram



Function	Default Setting
24 Volt DC Output, 100mA max / 24 Volt DC Input	
Digital Input 1	Drive Enable
Digital Input 2	Forward/Reverse Select
Digital Input 3	Preset Speed 1 Select
+10 Volt Power Supply 5mA	
Analog Input 1	Speed Reference 0-10 Volt
0 Volt	
Analog Output 1	Motor Speed
0 Volt	
Analog Input 2	
Analog Output 2	Motor Current
Safe Torque Off Input	
Safe Torque Off Input	
Output Relay 1	Drive Healthy / Fault
Output Relay 2	Drive Running

NOT TO SCALE



IP20

Size	2	3	4	5	6A	6B	8
mm Height	221	261	418	486	614	726	974
mm Width	110	131	172	233	286	330	444
mm Depth	185	205	240	260	320	320	423
kg Weight	1.8	3.5	9.2	18.1	32	43	124.5

IP66 / NEMA4X

Size	2	3	4
mm Height	257	310	360
mm Width	188	211	240
mm Depth	172	235	271
kg Weight	3.5	6.6	9.5

IP55 / NEMA12

Size	4	5	6	7	8
mm Height	450	540	865	1280	1334
mm Width	171	235	330	330	444
mm Depth	252	270	332	358	423
kg Weight	11.5	23	55	89	TBC

Inverter Drives Ltd is dedicated to the design, manufacture and marketing of electronic variable speed drives. The state of the art UK headquarters houses specialist facilities for research & development, manufacturing and global marketing. The company pledges to implement and operate the ISO 14001 Environmental Management System to enhance environmental performance.

All company operations are accredited to the exacting customer focused ISO 9001:2008 quality standard. The company's products are sold globally in over 80 different countries. Inverter Drives' unique and innovative drives are designed for ease of use and meet with recognised international design standards.



UK Headquarters, Welshpool

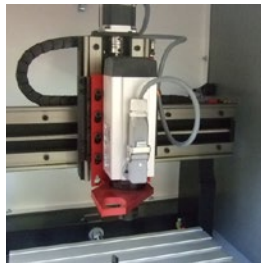
Global Drive Solutions

Inverter Drives operate at the heart of automated systems around the world



Crane Control

Demanding application at South African mine



Machine Tool OEM

UK machine tool supplier specifies Optidrive



Film Manufacturing

Optimum tension control in Australia



Food Processing

Precision conveyor control in Spain



Amusement Parks

Reliable control of difficult loads in Spain



Optidrive P2 User Guide



Scan to download or visit the Inverter Drives website

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www.inverterdrives.com/variable-frequency-drives/optidrive-p2

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