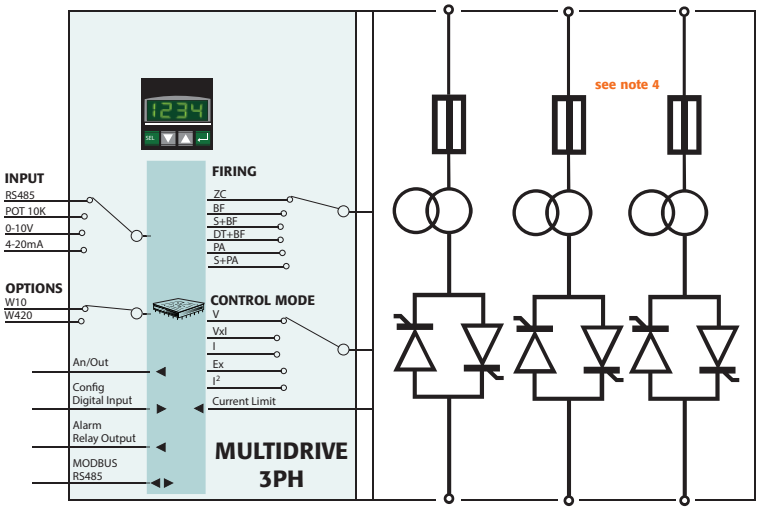
Multidrive 3PH

SIZE SR20



Technical Specification

- **Dimensions:** CLICK below to see size and dimensions
- **Load type:** Normal resistance, Three phase transformer coupled with normal or cold resistance
- **Inputs:** 0-10V, 4-20mA, 10kpot, RS485 communication, SSR
- **Firing mode:** Zero Crossing, Burst Firing, Soft Start + Burst Firing, Phase Angle, Soft Start + Phase Angle and Delayed Triggering
- **Operating temperature:** 0° to 40°C without derating
- **Control mode:** Voltage, Power, Current, Current Square, External Profiling 0:10V
- **Retransmission of control mode and current phase 1-2-3**
- **RS485 port. RTU Modbus Protocol Std:** For other Fieldbus see option
- **Comply with EMC and cUL up to 500A**
- **HB Alarm:** To diagnostic partial or total load failure standard
- **Data sheet:** More details on "Multidrive 3PH" bulletin

Tool

- Configuration software to configure thyristor units Free of charge on www.cdautomation.com
- Set of cables and connectors plus converter for the connection between thyristors unit port and computer with installed above configuration software

Note 1

	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	16
ORDERING CODE	M	3	_	_	_	_	-	_	_	_	_	_	_	_	_	_	_

CURRENT	3	4	5	6	
description	code				note
35A	0	0	3	5	
45A	0	0	4	5	
75A	0	0	7	5	
100A	0	1	0	0	
125A	0	1	2	5	
150A	0	1	5	0	
225A	0	2	2	5	
300A	0	3	0	0	
350A	0	3	5	0	
400A	0	4	0	0	
450A	0	4	5	0	
500A	0	5	0	0	
600A	0	6	0	0	
850A	0	8	5	0	
1100A	1	1	0	0	
1400A	1	4	0	0	
1700A	1	7	0	0	
1900A	1	9	0	0	
2100A	2	1	0	0	
2700A	2	7	0	0	

MAX VOLTAGE	7	
description	code	note
480V	4	
600V	6	
690V	7	

VOLTAGE SUPPLY AUX.	8	
description	code	note
110V (supply electronic board and fan)	1	
230V (supply electronic board and fan)	2	

INPUT	9	
description	code	note
0:10V dc	V	
4:20 mA	A	
10K Pot	K	
RS 485 communication	R	

Note (1) After 16th digit write current and voltage of load inside brackets Ex (190A-400V). This is to receive the Thyristor unit already tuned from CD Automation.
Note (2) In total are available 4 Analog output. One dedicated to control mode and the other 3 for current on phases 1-2-3
Note (3) cUL approval up to 500A included.
Note (4) Fixed fuses

FIRING	10	
description	code	note
Zero Crossing ZC	Z	
Single Cycles SC	C	
Burst Firing BF	B	
Soft Start + Burst Firing S + BF	J	
Delayed Triggering + Burst Firing DT + BF	D	
Phase Angle PA	P	
Soft Start + Phase Angle S + PA	E	

CONTROL MODE	11	
description	code	Note
Open Loop	O	
Voltage Feed Back V	U	
Power Feed Back VxI	W	
Current I	I	
External profiling 0:10V	E	

OPTION	12	
description	code	Note
4:20mA retransmission load voltage, load current and load power	A	2
0:10V retransmission load voltage, load current and load power	V	2

FAN VOLTAGE	13	
description	code	Note
Fan Voltage equal to Aux. Voltage	3	

APPROVALS	14	
description	code	Note
CE EMC For European Market	0	
cUL For American Market up to 500A	L	3

MANUAL	15	
description	code	Note
None	0	
Italian	1	
English	2	
German	3	
French	4	

LOAD CONNECTION	16	
description	code	Note
Resistive Load/Delta Connection	1	
Resistive Load/Star Connection	2	
Resistive Load/Star Connection + Neutral	7	
Transformer Load/Delta Connection	3	
Transformer Load/Star Connection	4	
Transformer Load/Star Connection + Neutral	5	
Resistive Load/Open Delta	6	