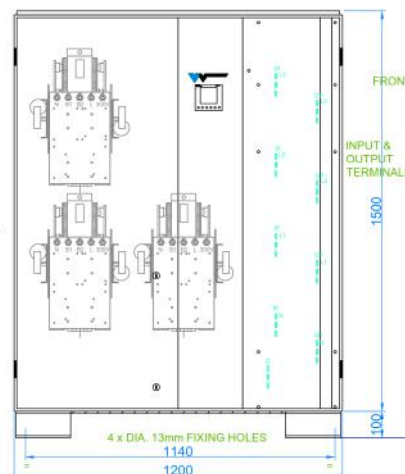


EMS2102

3 PHASE DATASHEET

Electromechanical stabiliser ranging from 108KVA to 544KVA, with correction ranges of up to $\pm 30\%$

The EMS2102 from Watford Control is constructed from a heavy duty IP20 steel enclosure, complete with digital output meter, MOV's / Transient Clippers, Class II surge suppression and lockable doors as standard. Unique, fully independent phase control allows for each phase output to be set differently (if required) to compensate for voltage drops across any given site.



Standard Features

Type	EMS2102
Dimensions (mm) W x D x H	1200 x 1150 x 1600
Weight	1100Kg
Output accuracy	$\pm 0.5\%$
Admitted load variation	Up to 100 %
Admitted load imbalance	100 %
Cooling	Natural air ventilation
Ambient temperature	-25 °C to +45°C
Storage temperature	-25 °C to +60°C
Max relative humidity	95%
Admitted overload	Ten times the rated current up to 2 seconds. Three times up to 1 minute. Twice up to 5 minutes.
Harmonic distortion	None introduced
Colour	RAL 7032 (others available on request)
Protection degree	IP20
Installation	IP20 Suitable for indoor use only.
Audible Noise Level	Less than 50dB at 1m distance
Low internal impedance	Capable of sustaining high surge currents.
Power Factor	No effect on the performance

EMS2102

3 PHASE DATASHEET

Electromechanical stabiliser ranging from 108KVA to 544KVA, with correction ranges of up to $\pm 30\%$

Ranges

Model	Input Range	Rated Power (KVA)	Maximum Output (A)	Maximum Input (A)	Input Voltage Range
R8	$\pm 8\%$	544	788	856	368 - 432
R10	$\pm 10\%$	425	616	684	360 - 440
R12	$\pm 12\%$	346	501	569	352 - 448
R15	$\pm 15\%$	266	386	454	340 - 460
R18	$\pm 18\%$	214	310	378	328 - 472
R20	$\pm 20\%$	188	272	340	320 - 480
R23	$\pm 23\%$	157	227	294	308 - 492
R25	$\pm 25\%$	140	203	271	300 - 500
R30	$\pm 30\%$	108	157	224	280 - 520

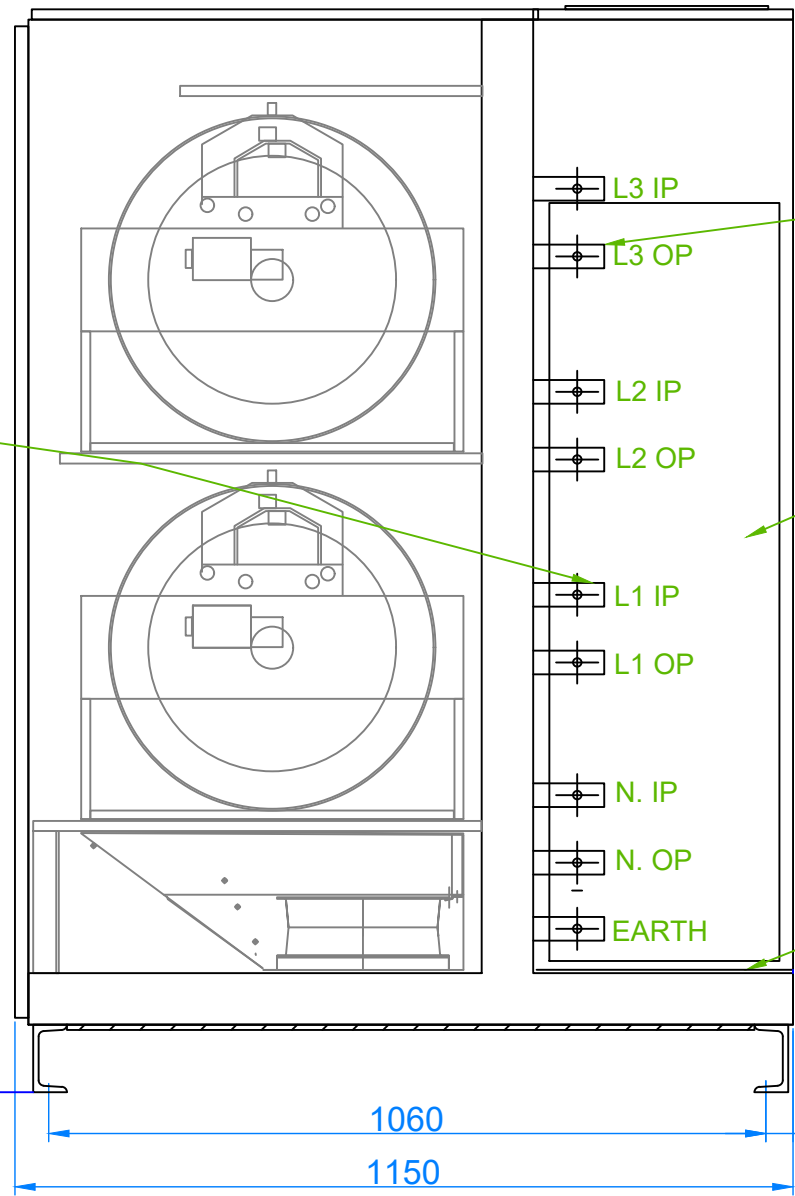
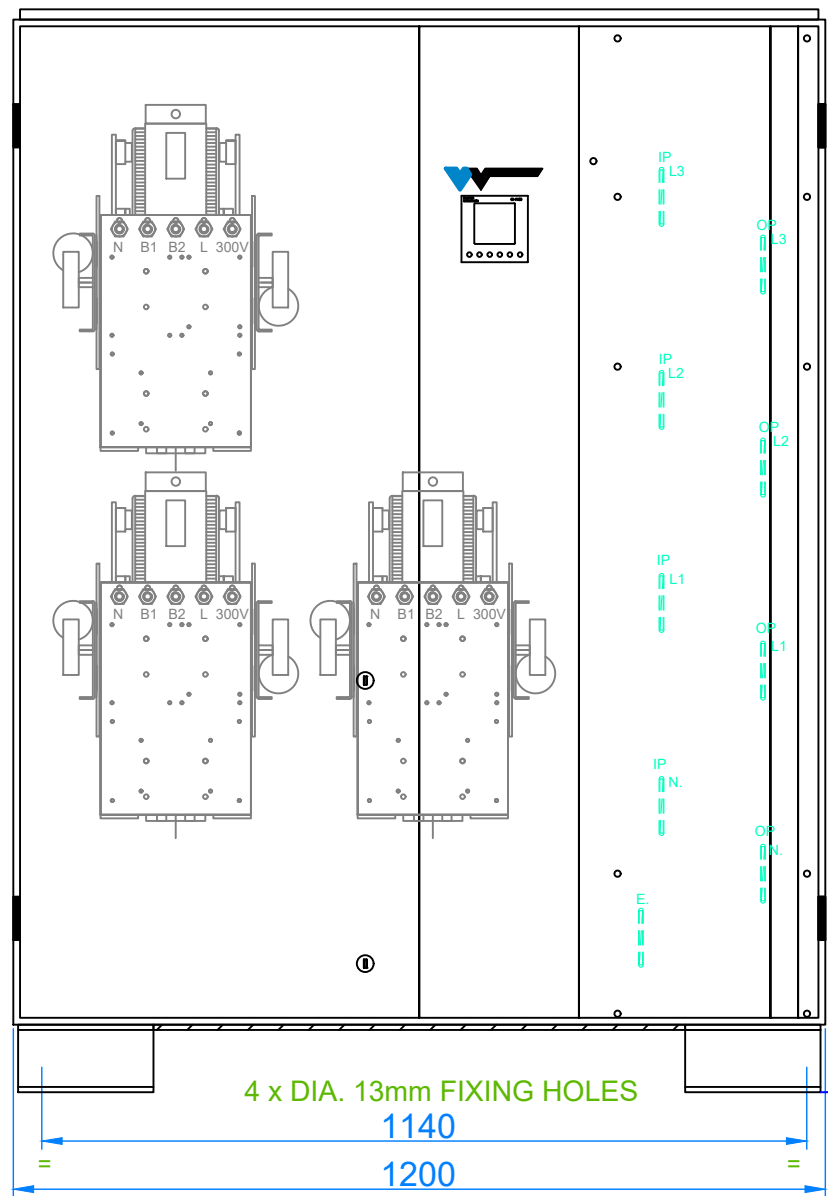
Optional Extras

Input Breaker
 Output breaker
 Bypass switch
 Under/over voltage protection

Class I surge suppression
 IP20 to IP54 available
 Powermap Online – Real time monitoring

RevNo	Revision note	Date	Signature	Checked

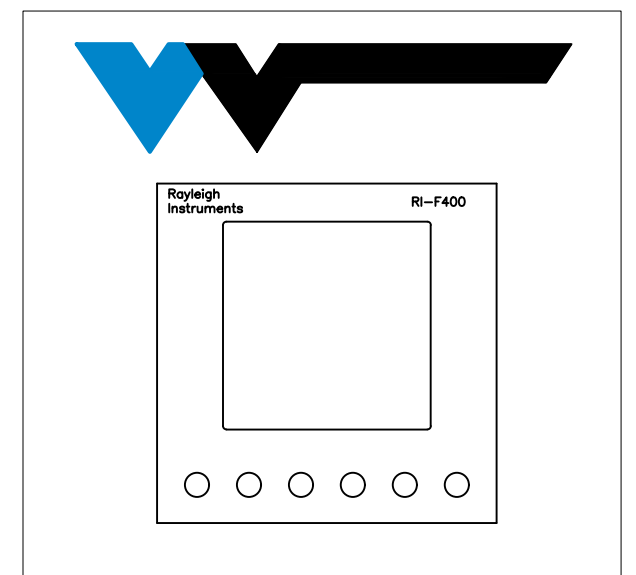
IP RATING	IP20
APPROXIMATE WEIGHT	1200KGS




TERMINALS 50x5mm
WITH DIA. 16.5mm FIXING HOLES

ACCESS TO TERMINALS
VIA REMOVABLE SIDE &
REAR COVERS

BOTTOM CABLE ENTRY
GLAND PLATE



RI-F400 METER

FILE NAME EMS (T) 2102H 3P IP20 OUTLINE	
DRAWN 26/06/2024	D.MCPHEDRAN
CHECK 26/06/2024	S.CLINTON
APPR.	
ISSUED 26/06/2024 D.MCPHEDRAN	
REV 1A	
X No	
SHEET	SCALE NTS
 Watford Control Watford Control Instruments Ltd. Princewood Road, Corby, Northamptonshire, NN17 4AP www.watfordcontrol.com	
DWG NO AK201330	