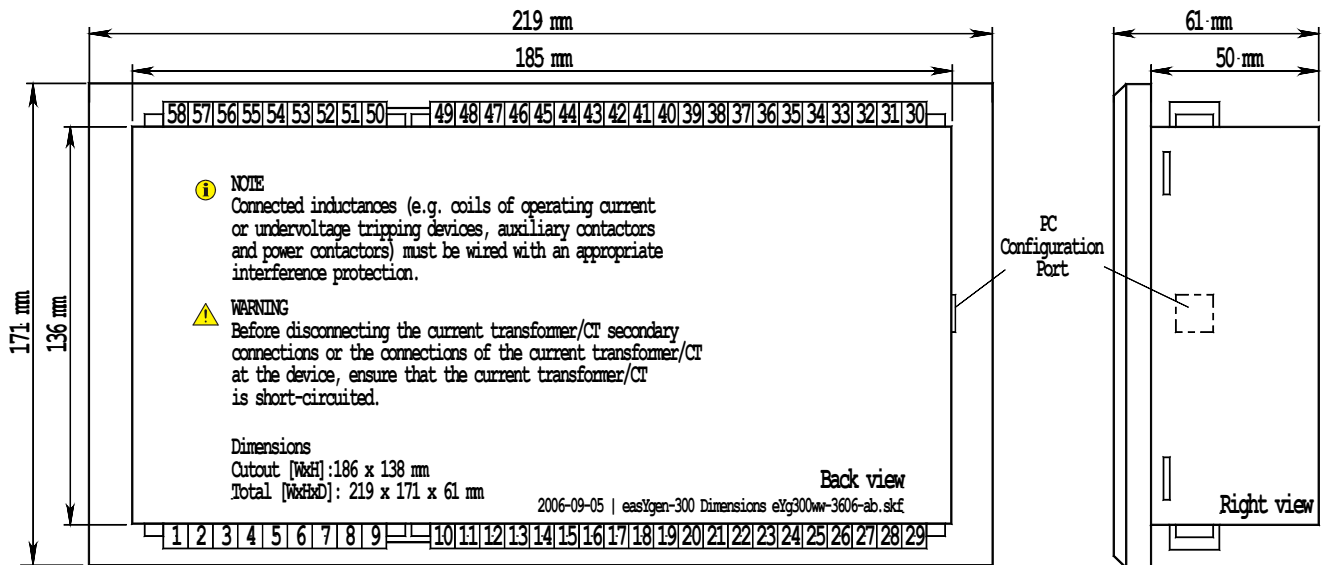


SPECIFICATIONS

Power supply 12/24 Vdc (6.5 to 40.0 Vdc)
 Intrinsic consumption max. 15 W
 Ambient temperature (operation) -20 to 70 °C / -4 to 158 °F
 Ambient temperature (storage) -30 to 80 °C / -22 to 176 °F
 Ambient humidity 95 %, non-condensing
Voltage (both ranges within one unit on different terminals, Δ/Δ)
 100 Vac [1] Rated (V_{rated}) 69/120 Vac
 Max. value (V_{max}) 86/150 Vac
 Rated ($V_{phase-ground}$) 150 Vac
 Rated surge volt. (V_{surge}) 2.5 kV
and 400 Vac [4] Rated (V_{rated}) 277/480 Vac
 Max. value (V_{max}) 346/600 Vac
 Rated ($V_{phase-ground}$) 300 Vac
 Rated surge volt. (V_{surge}) 4.0 kV
 Accuracy Class 1
 Measurable alternator windings 3p-3w, 3p-4w, 1p-2w, 1p-3w
 Setting range primary 50 to 650,000 Vac
 Linear measuring range 1.25 $\times V_{rated}$
 Measuring frequency 50/60 Hz (40 to 70 Hz)
 Input resistance per path [1] 0.498 M Ω , [5] 2.0 M Ω
 Max. power consumption per path < 0.15 W
Current Rated (I_{rated}) [1] ..1 A or [5] ..15 A
 Linear measuring range $I_{gen} = 3.0 \times I_{rated}$, $I_{mains} = 1.5 \times I_{rated}$
 Burden < 0.15 VA
 Rated short-time current (1 s) [1] 50 $\times I_{rated}$, [5] 10 $\times I_{rated}$

Discrete inputs isolated
 Input range 12/24 Vdc (6.5 to 40.0 Vdc)
 Input resistance approx. 6.7 k Ω
Relay outputs isolated
 Contact material AgCdO
 Load (GP) 2.00 Aac@250 Vac
 2.00 Adc@24 Vdc / 0.36 Adc@125 Vdc / 0.18 Adc@250 Vdc
 Pilot duty (PD)
 1.00 Adc@24 Vdc / 0.22 Adc@125 Vdc / 0.10 Adc@250 Vdc
Analog input freely scaleable
 Type variable
 Resolution 10 Bit
Housing Flush Type easYpack
 Dimensions Flush 219 \times 171 \times 61 mm
 Front cutout Flush 186 [+1.1] \times 138 [+1.0] mm
 Connection screw/plug terminals 2.5 mm²
 Front insulating surface
 Protection system with professional installation
 Front IP54 (with clamp fastening)
 Front IP65 (with screw fastening)
 Back IP20
 Weight approx. 800 g
Disturbance test (CE) tested according to applicable EN guidelines
Listings UL/cUL listed
Marine Approvals GL, LR, others upon request

DIMENSIONS




PART NUMBERS AND ORDER CODES

Model Mounting	Rated PT secondary <i>FlexRange™</i>	Rated CT secondary	Part Number (P/N)	Description
1500	69/120 Vac	..15 A	8440-1809	EASYGEN-1500-55B
	and 277/480 Vac	..1 A	8440-1810	EASYGEN-1500-51B

FEATURES OVERVIEW

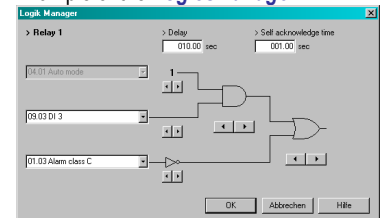
CONTACT

AvK Generatory
s.r.o
ul. 4.Kvetna
755 01 Vsetin
tel:+420 571 413 322
fax+420 571 413 322
email:
info@woodwardseg.
cz
www.woodwardseg.cz

		easYgen-1500			
		Configured as ...	{0}	{1o}	{1oc}
		No CB control	1 CB control (GCB open)	1 CB control (GCB open / close)	2 CB control (GCB / MCB open / close)
Measuring					
Generator voltage (3phase/4-wire)	rated 69/120 Vac	✓	✓	✓	✓
- true rms	max. 86/150 Vac	✓	✓	✓	✓
- <i>FlexRange™</i>	rated 277/480 Vac	✓	✓	✓	✓
	max. 346/600 Vac	✓	✓	✓	✓
Generator current #1 (3phase/4-wire, true RMS)	..1 A or ..5 A	✓	✓	✓	✓
Mains voltage (3phase/4-wire)	rated 69/120 Vac	(✓)#2	(✓)#2	(✓)#2	✓
- true rms	max. 86/150 Vac	(✓)#2	(✓)#2	(✓)#2	✓
- <i>FlexRange™</i>	rated 277/480 Vac	(✓)#2	(✓)#2	(✓)#2	✓
	max. 346/600 Vac	(✓)#2	(✓)#2	(✓)#2	✓
Mains current #1 (1phase/2-wire, true RMS)	..1 A or ..5 A	(✓)#2	(✓)#2	(✓)#2	✓
Control					
Breaker control logic	<i>FlexApp™</i>	0	0	1	2
	GCB open#3		✓	✓	✓
Number of controlled power circuit breakers can be user configured depending on application needs out of 4 Modes	GCB open/close#3			✓	✓
	GCB/ MCB open/close#3				✓
Isolated single-unit operation				✓	✓
AMF (auto mains failure operation)					✓
Stand-by operation					✓
Open transition (break-before-make)					✓
ATS (automatic transfer switching)					✓
Accessories					
Softkeys (advanced LC display)	<i>DynamicsLCD™</i>	✓	✓	✓	✓
Start/stop logic for Diesel/Gas engines		✓	✓	✓	✓
kWh meter, kvarh meter		✓	✓	✓	✓
Operating hours/start/maintenance counter		✓	✓	✓	✓
Configuration via PC #4		✓	✓	✓	✓
Event recorder with real time clock (battery backup)		300	300	300	300
Flush-mounting		✓	✓	✓	✓
Protection ANSI#					
Generator: voltage/frequency	59/27/81O/81U	(✓)#6	✓	✓	✓
Generator: overload, reverse/reduced power	32/32R/32F	(✓)#6	✓	✓	✓
Generator: unbalanced load	46	(✓)#6	✓	✓	✓
Generator: definite time-overcurrent	50/51	(✓)#6	✓	✓	✓
Generator: inverse time-overcurrent	IEC255	(✓)#6	✓	✓	✓
Generator: ground fault #5		(✓)#6	✓	✓	✓
I/Os					
Speed input (magnetic/switching; Pickup)		✓	✓	✓	✓
Discrete alarm inputs (configurable)		8	8	7	5
Relay outputs (configurable)	<i>LogicsManager™</i>	8	7	6	4
Analog inputs #7 (configurable)	<i>FlexIn™</i>	2	2	2	2
CAN bus communication #8	<i>FlexCAN™</i>	✓	✓	✓	✓
RS-232 Modbus RTU Slave #9		✓	✓	✓	✓
Listings/Approvals #10					
UL/cUL Listed		✓	✓	✓	✓
LR, GL Marine Approval		✓	✓	✓	✓
CE Marked		✓	✓	✓	✓

- #1 Selection during order; both ..5 A (standard) or both ..1 A (alternatively);
- #2 the mains are measured and may be displayed, but they will not be evaluated
- #3 dedicated to a fixed relay
- #4 external Woodward DPC cable required.
USB connector: P/N 5417-1251 / RS-232 connector: P/N 5417-557 or CAN connection by LeoPC1 software
- #5 calculated + measured ground current
- #6 possible (not dedicated to a fixed relay)
- #7 selectable during configuration
VDO (0 to 180 Ohm, 0 to 5 bar, 2-pole)
VDO (0 to 180 Ohm, 0 to 10 bar, 2-pole)
VDO (0 to 380 Ohm, 40 to 120°C, 2-pole)
VDO (0 to 380 Ohm, 50 to 150°C, 2-pole)
Pt100
Resistive input (linear 2pt. or free chart 9pt.)
20 mA (0/4 to 20 mA, freely configurable)
- #8 freely selectable during configuration
CANopen, CAN (CAL), or J1939; request info
- #9 external electrical isolation required (e.g. DPC cable P/N 5417-557)
- #10 contact your sales rep to find out whether your desired unit has the required approval

Example of the *LogicsManager*



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