RIGON L PLUS	System TRIGON L Plus with one variavle temperature heating circuit, one constant temperature circuit control with Clip In 3 Zone.
Commercial floor standing boiler	
Single boiler range 60 to 200 kW	The condensing gas boiler TRIGON L PLUS operates on the heating circuit with adapted flow temperature corresponding to the outside temperature.
Cascade solution up to 8 boilers	
Cascade solution up to 1600 kW	A plate heat exchanger or low loss header provide hydraulic separation between the primary and the secondary circuits.
Boiler pump(s) and cascade controller ntegrated	The TRIGON L PLUS can control the constant temperature heating zone and variable temperatu zone by the Clip-In 3 zone manager.
External controls (accessory) by on/off, 0-10V or eBus to: Modbus,BACnet, KNX, LONworks	

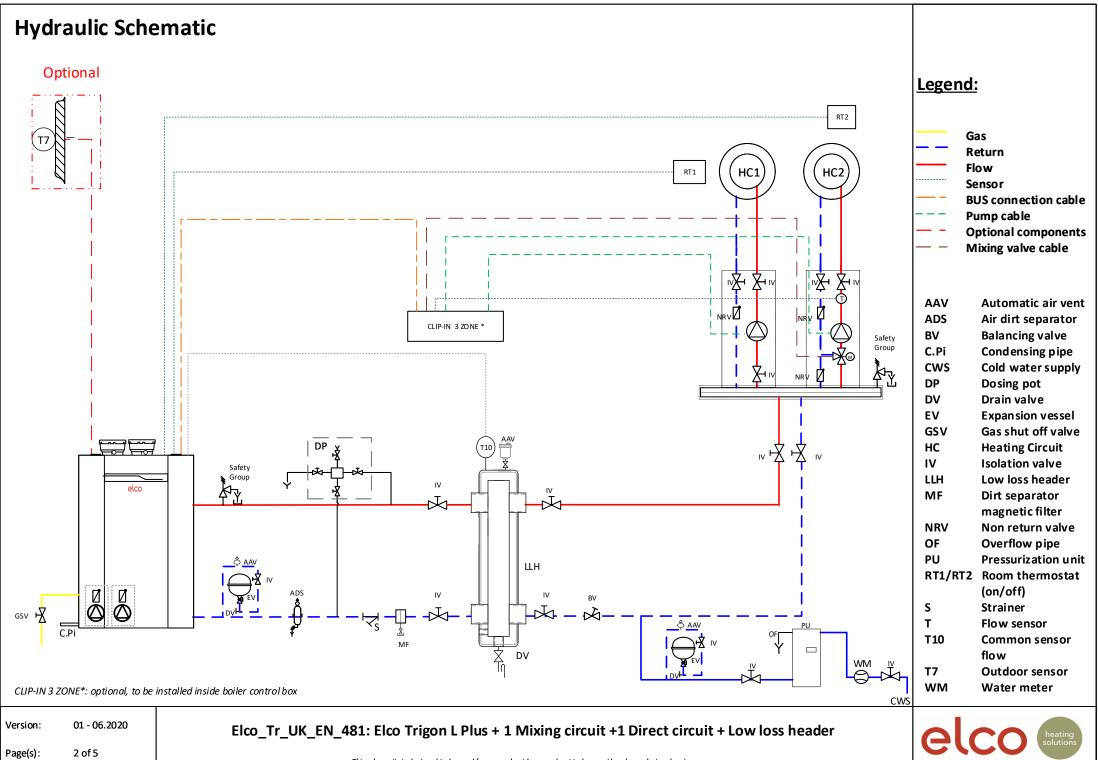
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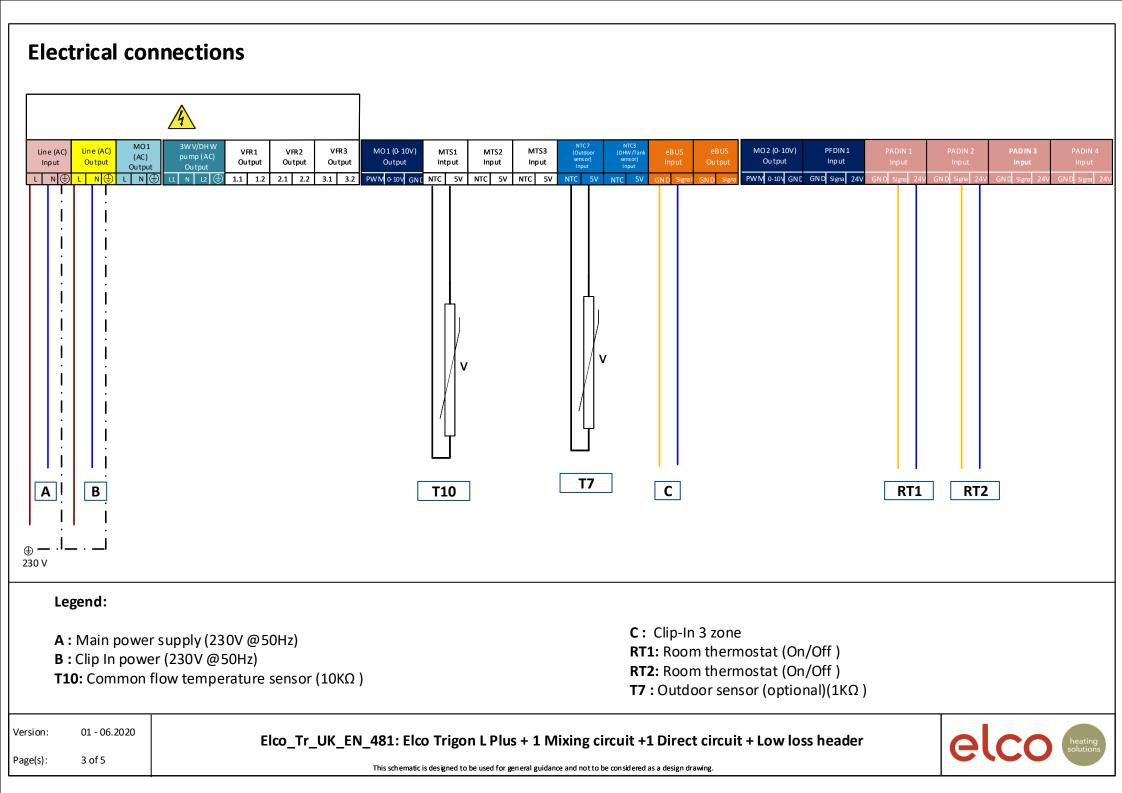
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This schematic is designed to be used for general guidance and not to be considered as a design drawing.



Clip	-in 3 zone	manager connection					
		Â		ON F 1 2			
	MAINS (AC) Input	MV_Z1 WV_Z2 MV_Z3 P_Z1 Output Output Output	t C P_Z2 C P_Z3 Output Output	VFR3 NTC_Z1 NTC_Z2 N Output Flow sensor Flow sensor Flo	ITC_Z3 eBUS eBUS w sensor Input Output		
	L	L2 N L1 L2 N L1 L2 N L1 L	N L N L N	1.1 1.2 NTC 5V NTC 5V NT	C 5V GND Signal GND Signal		
				v			
	G	AB	С	D	E		
	Legen		D: Flow sensor HC2				
	 A: Mixing Valve HC2 B: Heating circuit pump HC1 C: Heating circuit pump HC2 		E: Clip In connection to boileF: DIP-switch 2 must be set in CG: Main power connection to	P_Z: H DN position NTC: Z o boiler board M: Ma	 MV: Mixing valves P_Z: Heating Circuit Pumps NTC: Zone flow sensor M: Main PCB Servicetool (only for Service) N: Connection Clip-in (only for Service) 		
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Parameter list

	Menu	Parameter	Description	To be adjusted	Range	Factory setting
Boiler Parameter	Boiler configuration	0.2.0	Undefined Single boiler Master boiler + cascade Slave boiler 1 Slave boiler 2 Slave boiler 3 Slave boiler 4 Slave boiler 5 Slave boiler 6 Slave boiler 7	Single boiler	0-10	0
	MTS1 input	24.6.0	Common flow sensor (T10)	1	0-8	1
er P	PADIN1 input	24.6.4	Room thermostat HC1	1	0-9	0
soile	PADIN2 input	24.6.5	Room thermostat HC2	2	0-9	0
ш	Thermoregulation	24.4.0	0 = OFF, 1 = ON	up to user	0-1	1
	Hydraulic scheme	7.2.0	20= Undefined 21= 1 mix zone 22= 2 direct zone 23= 1 direct zone + 1 mix 24= 2 mix zone 25= 3 direct zone 26= 2 direct zone + 1 mix zone 27= 1 direct zone + 2 mix zone 28= 3 mix zone	23	20-28	20
	T Day	4.0.0	Room temperature set point for day period	up to user	10- 30 °C	21
	T Night	4.0.1	Room temperature set point for night period	up to user	10- 30 °C	16
Zone 1 Parameter	T set Z1	4.0.2	Temperature setpoint zone 1	up to user	40°C to 90°C 20°C to 45°C	85 20
	Zone temperature range	4.2.0	0 = Low Temp (LT) 1 = High Temp (HT)	1	0-1	1
	Thermoregulation	4.2.1	0 = Fix Flow T 1 = Basic Thermoregulation 2 = Room T Only 3 = Outdoor T Only 4 = Room+Outdoor T	3	0-4	0
	Slope	4.2.2		up to user	LT: From 0.2 - 1.0 HT: From 1.0 - 3.5	0.6LT 1.3HT
	Max T	4.2.5	Zone 1 Maximum Flow Temperature	up to user	LT: From 20°C to 45°C HT: From 20°C to 90°C	45°C 85°C
	Min T	4.2.6	Zone 1 Minimum Flow Temperature	up to user	LT: From 20°C to 45°C HT: From 40°C to 90°C	25°C 40°C
	Quick night setback	4.2.8	0 = OFF, 1 = ON	up to user	0-1	0
Zone 2 Parameter	T Day	5.0.0	Room temperature set point for day period	up to user	10- 30 °C	21
	T Night	5.0.1	Room temperature set point for night period	up to user	10- 30 °C	16
	T set Z2	5.0.2	Temperature setpoint zone 2	up to user	40°C to 90°C 20°C to 45°C	85 20
	Zone temperature range	5.2.0	0 = Low Temp (LT) 1 = High Temp (HT)	1	0-1	1
	Thermoregulation	5.2.1	0 = Fix Flow T 1 = Basic Thermoregulation 2 = Room T Only 3 = Outdoor T Only 4 = Room+Outdoor T	3	0-4	0
	Slope	5.2.2		up to user	LT: From 0.2 - 1.0 HT: From 1.0 - 3.5	0.6LT 1.3HT
	Max T	5.2.5	Zone 2 Maximum Flow Temperature	up to user	LT: From 20°C to 45°C HT: From 20°C to 90°C	45°C 85°C
	Min T	5.2.6	Zone 2 minimum Flow Temperature	up to user	LT: From 20°C to 45°C HT: From 40°C to 90°C	25°C 40°C

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