

Overview compact flame controller

compact flame controller							
type		8.30	8.40	8.70			
part-no.:		S 511.3	S 511.4	S 511.7			
fuels	with different loads						
gas		x					
oil		x	x				
coal							
retention or waste				x			
combustion chambers							
H2S							
type of operation	electromagnetic sensors						
measured variable		fuel	flame	flame			
		pyrolysen- radiation	temperature radiation	temperature radiation			
sensor		GaP - HL	Si - HL UV-E	S60 Th.			
wavelength [nm]		280 - 420	300 - 1050	1000 - 2700 (-7000)			
amplification	modulation sensitivity						
fixed							
automatic							
adjustable		x	x	x			
switch over							
frequency range	modulation frequency range						
band pass		x	x	x			
evaluation automatic							
self checking function	electronic shutter						
optic	25 mm special lense						
optical glass			x	x			
Quartz glass		x					
Calciumfluorid			(x)	(x)			
sight angle							
aperture							
power supply	24 Vdc ± 20 % internal DC/DC coupled						
temperature range							
-20°C to +60°C		x					
-20°C to +70°C			x	x			
cooling							
quantity of air	appr. 10 Nm³/h						
pressure	0,02 bar higher than furnace pressure						
velocity	appr. 8 - 10 m/s						
mechanical dimensions							
housing [mm]	appr. 235 x 108 x 165 (L x B x H)						
sighttube connection	1" - inner thread						
purge air connection	1/2" - inner thread						
weight	appr. 1 kg						
electrical connector	dust proofed connector						
protection	IP 65						
output signal	0(4)...20mA / flame relay						
cable length							