



Connection instruction for Hagner OVP-01

Terminal block

GND	yellow/green	230VAC to TLS-420*	earth
N	blue	230VAC to TLS-420*	neutral
1	brown	230VAC to TLS-420*	live
2	black	230VAC to TLS-420*	(live – start wiper)
GND	yellow/green	230VAC in	earth
N	blue	230VAC in	neutral
3	brown	230VAC in	live
4	black	230VAC in	(live – start wiper)
5	brown	4-20 mA from TLS-420*	+
6	blue	4-20 mA from TLS-420*	-
7	-	4-20 mA to PLC	
8	+	4-20 mA to PLC	

Signal indicating whether “PU DS 230VAC 16A” has been exposed to over voltage or transient:

9	com	To PLC or alarm device
10	no	To PLC or alarm device
11	nc	To PLC or alarm device

* These cables are already connected to the TLS-420 when the photometer is delivered. It is recommended that the OVP-01 is mounted as close as possible to the TLS-420, to minimize the length of unprotected cable, and that the mounted cables are shortened accordingly.