



# DUALCOM PRO 2 RANGE

## TECHNICAL SPECIFICATIONS

# DualCom Pro 2 Range


## Technical Specifications

Dimensions	90mm (h) x 142mm (w) x 22mm (d)
Weight	189g excluding aerial
Temperature	-10 °C to + 55 °C
Humidity	0 - 90% non-condensing
Mounting	Via fixing points under main cover
Warranty	5 years
Power Requirement	<p>10 - 36 Volts DC</p> <p>In order to maintain compliance with requirements for electrical safety the Dualcom Pro should always be powered from a fused supply with following rating:</p> <ul style="list-style-type: none"> <li>• For a 12V DC system (supply voltage in the range 10 Volts DC to 14 Volts DC) a fuse rated at 1.25</li> <li>• For a 24V DC system (supply voltage in the range 20 Volts DC to 36 Volts DC) a fuse rated at 600 mA</li> </ul> <p>If the power source is not limited to these values, then a fuse with the correct rating must be fitted in line with the positive connection from the power source.</p> <p>The SPT will shut down on detecting a low supply of 7.6 Volts DC +/- 0.5 Volts DC</p>
Current Consumption	<p>DigiAir Pro 2 Radio 12V Power Supply: 103 mA (average value)</p> <p>DigiAir Pro 2 Radio 24V Power Supply: 59 mA (average value)</p> <p>DigiAir Pro 2 LAN 12V Power Supply: 96 mA (average value)</p> <p>DigiAir Pro 2 LAN 24V Power Supply: 55 mA (average value)</p> <p>GradeShift Pro 2 LAN Radio 12V Power Supply: 100 mA (average value)</p> <p>GradeShift Pro 2 LAN Radio 24V Power Supply: 63 mA (average value)</p> <p>GradeShift Pro 2 Dual Radio 12V Power Supply: 120 mA (average value)</p> <p>GradeShift Pro 2 Dual Radio 24V Power Supply: 72 mA (average value)</p>
Radio Path	2G, 3G, 4G
Output Ratings	Maximum applied voltage = 60V Maximum current = 150mA
Aerial	50 ohms (nominal) on MMCX socket
Operation Method	Store and forward
CIE Interconnections	Input triggering (standardised parallel), RS232, RS485, TTL
RCT Protocols	SIA
Input Terminals	Max +30 Volts, Min 0 Volts DC (reference supply 0V) with a + or - 40% change for > 200ms.
Low Battery	7.6V DC +/- 0.5 VDC
User Serviceable Parts	There are no serviceable parts within the DualCom Pro Range
Applicable Standards	<p>Suitable for use in alarm systems complying to:</p> <ul style="list-style-type: none"> <li>• EN50131-1:2006+A2:2017</li> <li>• EN50136-1:2012+A1:2018</li> <li>• EN 54-21 LAN (Type 1): D4, M4, T5, A4, S0, I0</li> <li>• EN 54-21 GSM (Type 1): D4, M4, T3, A4, S0, I0</li> <li>• PD6662:2017</li> <li>• PD6669:2017</li> </ul> <p>Emissions Standard - Radio Equipment Directive 2014/53/EU (RED)</p> <p>EN 50130-5 Environmental Class II</p> <p>ATS Classification EN 50136-2:2013 SP2, SP3, SP4, DP1, DP2, DP3, DP4</p> <p>ATS Configuration EN 50131-10:2014 Type Y</p> <p>ATS Classification EN 50136-1-1:1998</p> <ul style="list-style-type: none"> <li>• Radio D3, M3, T4, S2, I3, A4 (ATS5)</li> <li>• LAN D3, M3, T5, S2, I3, A4 (ATS5)</li> </ul>

PATH	AVAILABLE GRADES	WHAT'S IN THE BOX	PART NUMBER
Radio	SP2	DigiAir Pro 2, serial cable & small aerial	CS.51.R2
LAN	SP2	DigiAir Pro 2, serial cable, ethernet cable	CS.51.L2

## GRADESHIFT PRO 2

PATH	AVAILABLE GRADES	WHAT'S IN THE BOX	PART NUMBER
LAN + Radio	DP2 DP2+ DP3 DP4	GradeShift Pro 2, serial cable, single T-bar aerial, ethernet cable	CS.53.LR2 CS.53.LR2P CS.53.LR3 CS.53.LR4
Radio + Radio	DP2 DP2+ DP3	GradeShift Pro 2, secondary radio module, serial cable, dual T-bar aerial	CS.53.RR2 CS.53.RR2P CS.53.RR3


24
CS.51.HWR.02 / CS.51.HWL.02 / CS.53.HW.02 / CS.55.HW.02 / CS.40.104.02
CSL DualCom Ltd. Building 4, Croxley Park, Hatters Lane, Watford, WD18 8YF
KIWA 0063-CPR-242190024 / 00
EN 54-21:2006 Fire detection and fire alarm systems / Alarm transmission and fault warning routing equipment EN 50131-10:2014 EN 50136-1:2012/A1:2018 EN 50136-2:2013 PD6662:2017 / PD6669:2017

Type of transmission system: Fire Safety - Type 1 Security - SP2, SP3, SP4, SP5, DP1, DP2, DP3, DP4 Security Grade: 1- 4 depending on the I&HAS housing in which it is installed. Environmental Class: II Certification Body:Kiwa Nederland B.V
<a href="http://www.csl-group.com">www.csl-group.com</a>