



ALES TECHNICAL CHARACTERISTICS

|   | ALES 60                           | ALES 120 |
|---|-----------------------------------|----------|
| Maximum internal distance of use        | 250 m                             | 480 m    |
| Maximum external distance of use        | 60 m                              | 120 m    |
| Synchronization                         | Optical lens with 4 channels      |          |
| Optical lens with dual beam             | YES with 35 mm in AND lenses      |          |
| Photo devices                           | Pulsed beams, working wave 950 NM |          |
| Barrier configuration                   | 1TX and 1RX                       |          |
| Beam arrangement                        | Parallel                          |          |
| Circuit power supply                    | 10 ÷ 30 Vdc                       |          |
| Circuit absorption per pair             | 90 mA                             |          |
| Optional heater power supply            | 12 -24 Vdc                        |          |
| Thermostat heater absorption per pair   | 10 - 15 Vdc 250 mA                |          |
|   | 24 - 30 Vdc 125 mA                |          |
| Operating temperature                   | from -25 to +65° C                |          |
| Alarm outputs                           | Relay with NC/NO free contacts    |          |
| Tamper protection output                | Lid opening tamper protection     |          |
| Environmental disqualification from fog | YES with special OC output        |          |
| Protection Degree                       | IP65                              |          |
| Profile size LxWxH                      | 78mm x 78mm x 185mm               |          |



ALES FUNCTIONAL PERFORMANCE

|                               | ALES 60  | ALES 120 |
|-------------------------------|--|----------|
| Tracking and alignment system | SMA technology via high brightness LED and Buzzer    |          |
| Optical excursion             | 180° horizontal and 20° vertical                     |          |
| Response time                 | 250ms fixed  |          |
| Mounting accessories          | Wall and pole brackets, heater kit                   |          |
| Accompanying manuals          | Instructions manual with application example figures |          |
| Warranty                      | Integral 2 years for manufacturing defects           |          |

