



TRAFFIC CONTROLLER *ACTROS.alpha.fix*

The new *ACTROS.alpha.fix* is the latest version of the traffic controller family and is designed and optimized specifically for use on smaller and medium-sized traffic junctions. It is an ideal addition to the well-known *ACTROS* family.

Thanks to its compact design, the *ACTROS.alpha.fix* requires only a minimum of energy and space. It is based on the known features of the *ACTROS* family, such as ease of maintenance, stability and security of investment thanks to compatibility. In addition, all known *ACTROS* interfaces are supported. These include, for example, OCIT®, *ACTROS.connect*, canto®, as well as control cores and peripheral components (TOPic-ready, public transport prioritization, blind clearance).

48 independently switchable and monitorable outputs are available for modern, energy-saving 40V-LED signal heads for traffic engineering implementation. Information can be read in and requests can be switched via 32 inputs and 16 outputs.

The control unit is integrated directly into the rack and allows full access to operating parameters. In addition, the user has an overview via the graphic display: Switching on and off, manual operation and switching programs and control levels are just some of the options that are available to the user.

With the *ACTROS.alpha.fix*, LISA+ or Java, as the tried and tested language of the *ACTROS* family, continue to be used.



Features:

- Minimal size in the standard size 1 cabinet, or alternatively in the size 2 cabinet.
- Integrated 40V-toroidal core transformer with inrush current limiting
- Easy expandability thanks to free 3 HE rack space
- Easy installation, since the terminals are permanently assigned to the outputs
- Connection of the outdoor installation on optimized terminal units directly to tension spring clamp terminals
- Four terminals are available per lamp output
- Dimensioned for 40V-LED signal head voltage
- Uses the proven electronic assemblies of the *ACTROS* family
- Fully *ACTROS* compatible thanks to *ACTROS.fusion* technology
- Ready to use size 2 mounting plate ensures quick on-site replacement
- Safety according to DIN EN 50556 and SIL 3 EN 61508

TECHNICAL DETAILS:

HOUSING (OPTIONAL):	
Standard cabinet with / without EVU component EVU component Size of the traffic controller (WxHxD)	Sizes 0, 1, 2 according to DIN 43629 Section 1, IP54 in accordance with TAB 2000, IP54 190 x 420 x 200 mm
ELECTRONIC CONTROLS:	
Max. number of signal groups Max. number of lamp outputs Number of I/Os Detectors Traffic-engineering controls	48 48 32 inputs, 16 outputs Connection also possible via CAN bus Fixed-times programme, clock control, signal group-oriented and phase-oriented control dependent on traffic, co-ordinated deployment point controls LISA+ or free programming in JAVA, control cores such as VS-PLUS, PDMe/TL, TRELAN/TRENDS, BALANCE
Controls for centralised operation / interface operation	OCIT V1.1, V2.0 an V3.0 as well as Profile 2 and Profile 3, ACTROS.connect, SB12, SB15, SB16, VnetS, SSI, DVI35, CANTO, C2X ready Internal TouchSensor control panel, Web server ACTROS.access, optional additional graphic control panel with 8x40 characters
Cycle for traffic engineering Time source Signal sequence Local public transport Signal circuit breaker	0,5 s, 1 s DCF77, GPS, NTP (via centralised interface) Freely programmable, standard according to RiLSA R 09 telegrams in accordance with Standard VÖV 04.05.1 Setup in error-proof technology, current and voltage monitoring for all lamp outputs according to DIN VDE 0832, Section 100 and RiLSA
PERFORMANCE ELECTRONICS:	
Max. power consumption w/o lamp power Mains voltage Mains frequency Permissible LED signalling device voltages Lamp output per signal output Max. lamp output per traffic controller	74 VA 230 V (-15 ... +10%) 50 Hz (-5 ... +5%) 40 V OCIT 1 – 40 W 400 W
ENVIRONMENTAL CONDITIONS:	
Temperature Range	-40°C - +60°C
Certification:	
TÜV Rheinland	DIN VDE 0832-100: 2010, DIN VDE V 0832-110: 2013, DIN V VDE V 0832-500: 2008, EN12675: 2015, SIL3 acc. EN 61508 (Part 1 to 7): 2010, EN50556:2011

IHR LOKALER PARTNER:



SWARCO TRAFFIC SYSTEMS GMBH

SWARCO TRAFFIC SYSTEMS GMBH ist einer der führenden Anbieter intelligenter Verkehrssysteme in Deutschland. Aufbauend auf jahrzehntelanger Erfahrung bietet das Unternehmen ein breites Spektrum innovativer Lösungen im urbanen und interurbanen Verkehrsmanagement inklusive Parken und Detektion an. Ein engmaschiges Netz an Servicestützpunkten gewährleistet höchstmögliche Systemverfügbarkeit und damit Verkehrssicherheit. Mit wirtschaftlichen, nachhaltigen und umweltschonenden Technologien sorgen wir dafür, dass der Verkehr fließt und alle sicher ankommen.

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