HS2u-X, HS2s-X, HS2sg-X   E1 switch „1 of 2"

Both input signals A and B pass automatic cable equalizers to cope with long coaxial cables.
A PLL based re-timer circuitry re-clocks input A resp. input B signal, providing standard compliant signals to the internal selector switch.
Both the cable equalizer and the PLL circuitry provide status and alarm signals, based on the quality of the applied signals A resp. B.

All internal status/ alarm signals, as well as results of measurements, are processed by a micro controller. Based on programmable parameters, the micro controller controls the swich, drives the indication LED and communicates with the system controller module SMI-X.

In case of power fail the last switching pass will be maintained (bypass relays).

HS2sg-X Speciality:
The HS2sg-X has a buffer for each input to provide enough output signal to maintain signal continuity in case of LOS on the active input. This will prevent disruptions on the bitlevel, there will be no signal gap on the output.

Order Option : No-Payload Detection - the Switch will detect an empty G.703/704 signal and also a framed all-ones and switch accordingly. This Option also prevents common detection of false AIS with MPEG-Payload.

Technical data

Signal format	el. E1 signal acc to G.703
Inputs	2
Outputs	1
Input impedance	75 Ω / 120 Ω
Output impedance	75 Ω / 120 Ω
Connectors	BNC 75 Ω (HS2u-X) or RJ45 120 Ω connectors (HS2s-X)
Detector criteria	LOS
	software selectable:
	Frame detect (G.704)
	AIS detect
	Optional: No-Payload Detection
Indicators	LED yellow – module active
	LED green - signal applied o.k. (A and B)
	LED green – switch position A or B
Power Consumption	typ. 5 W

HS2-X *is a product of Headroom Broadcast. It belongs to the group of monitoring and switching devices for video, audio and telecom signals, covering single purpose stand-alone devices as well as multi format modular systems for signal management.*