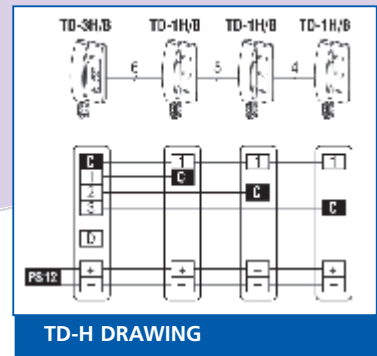


LEM DIAGRAM



NEM-20A/C



TD-H DRAWING

## INTERCOMS

Code

### AIPHONE (B.C. Technology) (2 Year Warranty)

#### LEM master to sub open voice intercom

##### AUDIO INTERCOM

- 915-0272 **LEM-1** Master 1 call, open voice intercom (6V dc PSU required)
- 915-0024 **LEM-3** Master 3 call, open voice intercom (6V dc PSU required)
- 915-0274 **LEM-1DL** Master 1 call with lock release button, open voice intercom (12V dc PSU required)
- 915-0276 **LE-A** Standard sub, open voice intercom

##### DOOR STATIONS

- 915-0138 **LE-D** Plastic surface door station, open voice intercom
- 915-0278 **AMP-LE-F** Stainless Steel flush mount door station with back box & button, open voice intercom
- 915-0279 **AMP-LE-S** Stainless Steel surface mount door station with back box & button, open voice intercom

##### POWER SUPPLIES

- 922-0053 **PS-6D** PSU, 6V dc 300mA
- 922-0002 **PS-12S** PSU, 12V dc 1.5 Amp

#### NEM master to sub intercom (expandable to 120 subs)

- 914-0289 **NEM-10A/C** Master to sub intercom - 10 way
- 927-0964 **NEM-20A/C** Master to sub intercom - 20 way
- 915-1096 **NEM-30A/C** Master to sub intercom - 30 way
- 915-1099 **NEM-40A/C** Master to sub intercom - 40 way
- 915-0962 **NA-A/STS** Surface mounted Stainless Steel vandal resistant sub-station
- 915-0830 **NA-A/STF** Flush mounted Stainless Steel vandal resistant sub-station
- 912-0187 **NA-A** Desk/wall mounted sub-station
- 928-0828 **NB-L** Ceiling mounted sub-station
- 927-1439 **NB-U** Music adaptor (music source required)
- 927-0960 **IER-2** Call extension sounder
- 922-0047 **PS-24N** PSU 24V dc 1.8 Amp

#### TD-H handset to handset intercom

##### AUDIO HANDSETS

- 915-0268 **TD-1H** Master handset 1 call (PSU required)
- 915-0269 **TD-3H** Master handset 3 call (PSU required)
- 915-0270 **TD-6H** Master handset 6 call (PSU required)
- 915-0271 **TD-12H** Master handset 12 call (PSU required)
- 915-0273 **TD-24H** Master handset 24 call (PSU required)

##### DOOR STATIONS

- 915-0020 **IF-DA** Surface mount, audio door station, with brown plastic cover
- 915-0277 **S/IE-DC(S)** Surface mount Stainless Steel, audio door station & back box (S/IF-DA)
- 915-0275 **DE-UR** Door station adaptor for TD-H

##### POWER SUPPLY & ACCESSORY

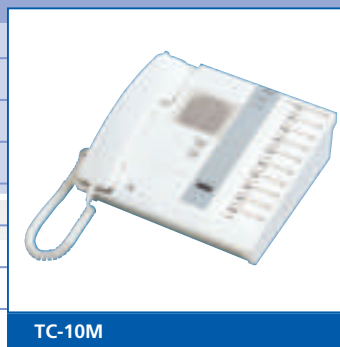
- 922-0002 **PS-12S** PSU, 12V 1.5 Amp dc & 12V 1 Amp ac
- 915-0280 **RY-AC** Relay for external device

**INTERCOMS (continued)**

Code

**TC-M internal telephone-type intercom (2 masters to 100 subs)**

913-0527	<b>TC-10M</b> 10 call master station
913-0695	<b>TC-20G</b> 20 add-on selector (expander)
915-1042	<b>TC-20M</b> 20 call master station
915-1176	<b>TC-40G</b> 40 add-on selector (expander)
915-1177	<b>TC-40GS</b> 40 add-on selector (expander) with additional expander connector
915-0724	<b>TB-SE</b> Sub-station (telephone handset)
915-1178	<b>TB-SE-AMP</b> Amplifier for TB-SE handset
915-0277	<b>S/IEDC(S)</b> Stainless Steel surface mount audio door station
915-0969	<b>S/IEDC(F)</b> Stainless Steel flush mount audio door station
915-0020	<b>IF-DA</b> Surface mount ABS plastic audio door station
915-1179	<b>TB-AD1</b> 1 call IE/IF door adaptor
915-1180	<b>TB-AD10</b> 10 call IE/IF door adaptor
922-0003	<b>PS-18D</b> Power supply 18V dc, 12V AC

**TC-10M****AX System**

8 Master stations and a total of 120 doorstations using CAT5 cable. Audio or colour video communications. Can be integrated with CCTV and access control systems.

915-1634	<b>AX-DM</b> Audio doorstation
918-0897	<b>AX-DV</b> Video doorstation - surface mounted
918-0899	<b>AX-DVF</b> Video doorstation - flush mounted
918-0900	<b>AX-DV-P</b> Video doorstation - surface mounted with space for proximity reader (reader not included)
918-0901	<b>AX-DVF-P</b> Video doorstation - flush mounted with space for proximity reader (reader not included)
918-0896	<b>AX-8MV</b> Colour video master monitor - 8 call
915-1624	<b>AX-8M</b> Audio master monitor - 8 call
915-1635	<b>AX-16SW</b> Add-on selector - 16 call
915-1623	<b>AX-084C</b> Central unit for 8 doors and 4 masters
915-1636	<b>AX-248C</b> Central unit for 24 doors and 8 masters
915-1637	<b>AX-320C</b> Add-on control unit for 32 doors
915-1868	<b>AX-TL1</b> Telephone line interface for AX Central Unit AX-084C and AX-248C

**AX-8MV**

All Aiphone equipment is available for various applications. Please contact our Technical Sales Support department for further information.

**FERMAX (1 Year Warranty)**

Multway Intercom Kits (3 WIRE BUS)

913-0329	<b>9042</b> Intercom BUS kit 2 way, inc. 2 handsets & PSU
915-0565	<b>8084</b> Palace intercom BUS telephone (max 12 extensions)
915-0566	<b>9010</b> Palace intercom BUS desktop telephone (max 12 extensions)
915-0567	<b>9020</b> 1 way additional multiway panel
915-0568	<b>8086</b> Palace extra BUS 3 telephone (max 12 extensions)
915-0569	<b>88039</b> Intercom PSU BUS 3
915-0570	<b>9017</b> Multiway switcher BUS 3

**URMET (1 Year Warranty)**

Easivoice Digital Intercom system up to 97 intercom phones (9 wire BUS)

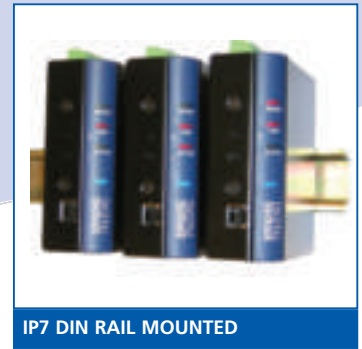
915-0354	<b>926/1</b> Intercom phone including integral keypad
922-0076	<b>926/3</b> Power Supply 38VA, for maximum of 25 Intercom phones (4 required for 97 phones)
915-0355	<b>926/4</b> Desk kit for intercom phone



IP7-ST



IP7-SE8



IP7 DIN RAIL MOUNTED

## IP BASED INTERCOMS

Code

### B.C. Technology (2 Year Warranty)

The new IP7 series of IP intercom and paging modules from Digital Acoustics offer solutions for the most demanding applications. Voice quality audio is delivered over Ethernet/IP in both LAN and WAN networks. The units can be used for door and gate communication and access, classroom intercom and paging, help points, medical communications etc. The systems are scalable via different software solutions.

The units come supplied with TalkMaster software for one PC and up to 250 IP7 modules. TalkMaster Enterprise Edition is available for multiple PCs and over 1500 IP7 modules.

An installed system might comprise an Aiphone AMP-LE-S audio door station, an IP7-ST two Watt POE IP adapter, an Ethernet LAN or WAN, and a PC running the TalkMaster software. A call at the door station will result in a call being received at the PC. The PC will display a description of the door station location and allow speech to and from the door station. If required, the PC operator can click an icon on screen to unlock the door.

### INTERCOM

#### Features:

- 2 Watt PoE module with single Ethernet port
- Simple to configure and install
- Uses only 64kbps bandwidth
- Utilises existing network structure
- Operates over wired, wireless and fibre networks
- PoE and ac/dc power options

NEW

915-1884 **IP7-ST** 2 Watt PoE module with SINGLE Ethernet port

### PAGING

#### IP7-SS8 Features:

- 8 Watt PoE module with single Ethernet port
- Power over Ethernet, 802.3af compliant
- Power one or more speakers in a zone
- USB and Ethernet support for setup and diagnostics

NEW

915-1885 **IP7-SS8** 8 Watt PoE module with SINGLE Ethernet port

#### IP7-SE8 Features:

- 8 Watt PoE module with dual Ethernet ports
- Two way audio enabled
- Ability to use sensitive electret microphones
- Extra sensitivity gives extra volume
- External I/O for relays and sensors

NEW

915-1886 **IP7-SE8** 8 Watt PoE module with DUAL Ethernet port

#### Specifications:

Network Protocols	TCP, UDP, IP, ARP, ICMP, IGMP, MULTICAST
Network Interface	10/100 Base-T Ethernet, Auto-MDIX
Core Technology	ICC-256 50 MIPS SoC (System On A Chip)
IP Address Assignment	Static, DHCP
Transport Bandwidth	Nominal 64kbps
Audio Protocol	G.711, 8/16 bit PCM/uLaw
Audio Latency	<200ms Auto-Adaptive
Speaker Out	SS8/SE8: 8 Watts / SS20: 20 Watts – 8 Ohms/25-70V Line
Expansion BUS	12C for multiple relays, data acquisition sensors, displays, keyboards – requires custom integration
Power (Nominal)	SS8/SE8: PoE (12W)/(Opt:12Vdc) SS20:24V ac/dc @ 50W +/- 5%
PoE Standards	802.3af (12W) SS8/SE8 Only
Diagnostics	LED Status, USB, Temperature and Power Monitoring
Remote Diagnostics	Reporting over USB and Ethernet
Remote Programming	Flash programmable via USB, Ethernet
Fault Management	Advanced Fail-Forward™ fault detection
Connector I/O	3.81mm DIN Plugables, RJ45, USB-B
Temperature	-30°~70° C (Operating), -40° C~85° C (Storage)
Dimensions	3.85 x 3.59 x 1.37 in (98mm x 91mm x 35mm)

#### IP7-SE8 Additional Features:

Microphone	Balanced Pseudo-differential/AGC >40db (Electret/Condenser/Other)
Audio Line In/Out	Nominal 1V p/p
External I/O	Relay: 250V ac/30V dc @ 60W/1500V ac Isolation (NO/NC)
Sensor Input:	External Active Low, PTT

#### IP7-SS20 Features:

- 20 Watt non-PoE module with single Ethernet port
- Powers an array of speakers and home in a zone
- Class D amplifier for crisp audio
- Thermal protection
- 24V ac or dc power options

NEW

915-1887 **IP7-SS20** 20 Watt non-PoE module with SINGLE Ethernet port

#### Vertical Markets:

- Education
- Security
- Parking
- Transportation
- Financial Services

#### Applications:

- Classroom, Campus and District-wide Paging
- Building, Campus, Corporate Communication
- DoD and Homeland Security 'Big Voice' Systems
- Intercom (two-way audio) in noisy environment
- Demanding Applications (Fast Food/Truck Stops)

### SOFTWARE

NEW

925-0419 **TMEE** TalkMaster Enterprise Edition Multiple PC operator command software, for use with thousands of IP7 modules. Multiple PCs can share individual and grouped IP7 modules

NEW

925-0420 **TM-SMG** SIP Media Gateway (VoIP Access)

### DOOR STATIONS

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