

# ALGE

## TIMING

NEW AGE  
ARENA



PLAYER	PENALTY	10 min.	10 min.	PLAYER	PENALTY	
06	1:38	10	24:37	74	2:00	
		○	ALGE-TIMING	○		
		AUSTRIA		SLOVENIA		
74	2:00	36	PERIOD	16	24	0:50
			2			

THE SPORTS  
TIMING EXPERTS

Ice Hockey Score Boards



# ICE HOCKEY

## General

The Multisport scoreboards are designed for several ball sports, such as basketball, handball, volleyball, tennis, table tennis, hockey or football. Because of the special rules of ice hockey we provide score boards that are made to fulfill all specifications of the rules of this sport.

All scoreboards are connected by cable to the controller as standard, but are optionally supplied wirelessly, with radio. The Multisport scoreboards can also be designed individually, for example, with text fields to display the team or player names.

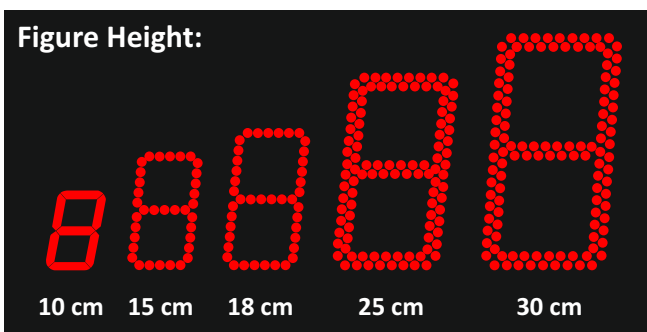
Ice hockey scoreboards are used indoors and outdoors, and must meet appropriate criteria, depending on the application, in order to be easily readable and guarantee a secure data transmission.

### Facts about Ice Hockey Scoreboards:

- extra bright LEDs for models for outdoor areas, so that the display is easy to read even in direct sunlight
- flexibility through data transmission by cable or radio from the controller to the scoreboard
- each model also available with integrated LED text field to show the team names
- possibility of four-sided cube scoreboard systems to mount in the centre of the ice stadium
- scoreboard with attached matrix-display board to show information (e.g. team lineup, scorer, advertising, etc.)
- scoreboard with integrated video wall



### Figure Height:



Digit Height	Max. Reading Distance
10 cm	up to 50 m
15 cm	up to 75 m
18 cm	up to 90 m
25 cm	up to 125 m
30 cm	up to 150 m

### Indoor and Outdoor Scoreboards

Most of the models are designed for use in halls but can be made with brighter LEDs for outdoor use.

### Indicators (Digits)

The different models have different digit heights:

- D-M series: 25 cm, 18 cm, 15 cm and 8 cm digit height
- D-L series: 30 cm, 25 cm, 18 cm and 15 cm digit height

### Readability

Depending on the type of sport, the conditions that the scoreboard must meet are different. Please note, when selecting a scoreboard, that the digits are easy to read from everywhere inside the hall.

# ICE HOCKEY

## Controller for Scoreboard



### Cable or Radio

The standard ALGE-TIMING Multisport scoreboard systems comes with a cable connection. The included test cable must be replaced by the electrician who installs the scoreboard with a fix installed cable. The advantage lies, above all, in the safe and uncomplicated data transmission.

In addition, there is the possibility to control the system via radio. To do this, use the controller with integrated radio D-CKN-WTN-A and a scoreboard with a radio receiver WTN-DB. The wireless installation is mainly used in arenas where cable connections are difficult. In the case of radio solutions, it must be noted that the scoreboard must be connected to the mains, despite a radio connection. The operator of the scoreboard can move around in the sports arena, since the radio controller D-CKN-WTN-A has an integrated rechargeable battery.



controller D-CKN with input keyboard

### Controller

ALGE-TIMING offers three different controllers. The standard controller D-CKN is always included in the scoreboard. For scoreboards which also contain text, a PC keyboard can be connected to the controller to enter the texts. The controller automatically saves the data in the case of a power failure. The time of day can be displayed on the scoreboard during times when it is not needed for a game.



controller D-CKN

### Controller D-CKN

Standard controller for scoreboards controlled by cable

### Controller D-CKN-WTN-A

Controller with integrated radio transmitter WTN (Wireless Timing Network) and battery for radio-controlled scoreboards and flexible use of the controller. The scoreboard requires a radio receiver WTN-DB.



controller D-CKN-WTN-A



### Modules for Team Names

Alphanumeric modules with 3 to 9 characters make it possible, e.g. to display team names with 15 cm characters on the D-M models. Each red LED field of 7 x 5 pixels can display an alphanumeric character (option: 8 x 5 pixels).

On the D-L scoreboard series, team names can be displayed with a digit height of 25 cm, since the LED field for each character is 12 x 7 pixels. To enter the team names, a PC keyboard is connected to the controller.

TNLP1V11-3

TNLP1V11-4

TNLP1V11-5

TNLP1V11-6

TNLP1V11-7

TNLP1V11-8

TNLP1V11-9



Model	Dimensions	Display Board
TNP1V11-3	2 x display size 26 x 15 cm	2 x 3 characters, 7 x 5 dots, character height 15 cm
TNP1V11-4	2 x display size 35 x 15 cm	2 x 4 characters, 7 x 5 dots, character height 15 cm
TNP1V11-5	2 x display size 44 x 15 cm	2 x 5 characters, 7 x 5 dots, character height 15 cm
TNP1V11-6	2 x display size 53 x 15 cm	2 x 6 characters, 7 x 5 dots, character height 15 cm
TNP1V11-7	2 x display size 66 x 15 cm	2 x 7 characters, 7 x 5 dots, character height 15 cm
TNP1V11-8	2 x display size 71 x 15 cm	2 x 8 characters, 7 x 5 dots, character height 15 cm
TNP1V11-9	2 x display size 80 x 15 cm	2 x 9 characters, 7 x 5 dots, character height 15 cm
TNLP1V11-3	2 x display size 35 x 25 cm	2 x 3 characters, 12 x 7 dots, character height 25 cm
TNLP1V11-4	2 x display size 51 x 25 cm	2 x 4 characters, 12 x 7 dots, character height 25 cm
TNLP1V11-5	2 x display size 65 x 25 cm	2 x 5 characters, 12 x 7 dots, character height 25 cm
TNLP1V11-6	2 x display size 78 x 25 cm	2 x 6 characters, 12 x 7 dots, character height 25 cm
TNLP1V11-7	2 x display size 92 x 25 cm	2 x 7 characters, 12 x 7 dots, character height 25 cm
TNLP1V11-8	2 x display size 105 x 25 cm	2 x 8 characters, 12 x 7 dots, character height 25 cm
TNLP1V11-9	2 x display size 119 x 25 cm	2 x 9 characters, 12 x 7 dots, character height 25 cm

### Modules for Player Names

Each expansion module can display 12 game names with 9 to 12 characters. In the D-M scoreboard series, the digit height is 7 cm and in the DL scoreboard series is 14 cm. The expansion modules

can be combined with numeric digit fields for player numbers, personal fouls, points and goals.

Model	Dimensions	Display Board
MPN9	2 modules with 70 x 150 cm	2 x 12 player names, 9 characters with 7 x 5 dots, character height 7 cm
MPN10	2 modules with 80 x 150 cm	2 x 12 player names, 10 characters with 7 x 5 dots, character height 7 cm
MPN11	2 modules with 85 x 150 cm	2 x 12 player names, 11 characters with 7 x 5 dots, character height 7 cm
MPN12	2 modules with 90 x 150 cm	2 x 12 player names, 12 characters with 7 x 5 dots, character height 7 cm
LPN9	2 modules with 100 x 250 cm	2 x 12 player names, 9 characters with 7 x 5 dots, character height 14 cm
LPN10	2 modules with 105 x 250 cm	2 x 12 player names, 10 characters with 7 x 5 dots, character height 14 cm
LPN11	2 modules with 115 x 250 cm	2 x 12 player names, 11 characters with 7 x 5 dots, character height 14 cm
LPN12	2 modules with 120 x 250 cm	2 x 12 player names, 12 characters with 7 x 5 dots, character height 14 cm



# ICE HOCKEY

## Customer-Specific Scoreboards



Customer-specific scoreboards can be individually designed. Many additional features are possible like team names, player name, time of day or temperature. It can be connected via cable or radio to the controller. Special solutions like scoreboards built in a cube and/or integrated video wall(s) are possible.

**Example:** Customized cube scoreboard with integrated video wall

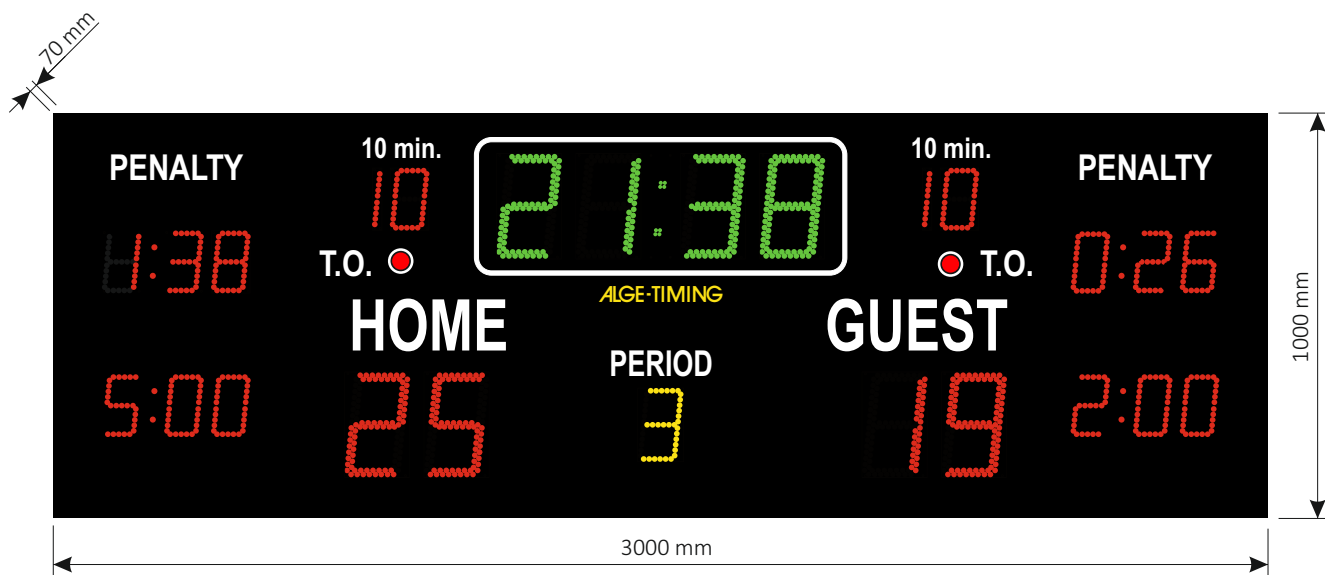






# ICE HOCKEY

## Scoreboard D-M5SH2H



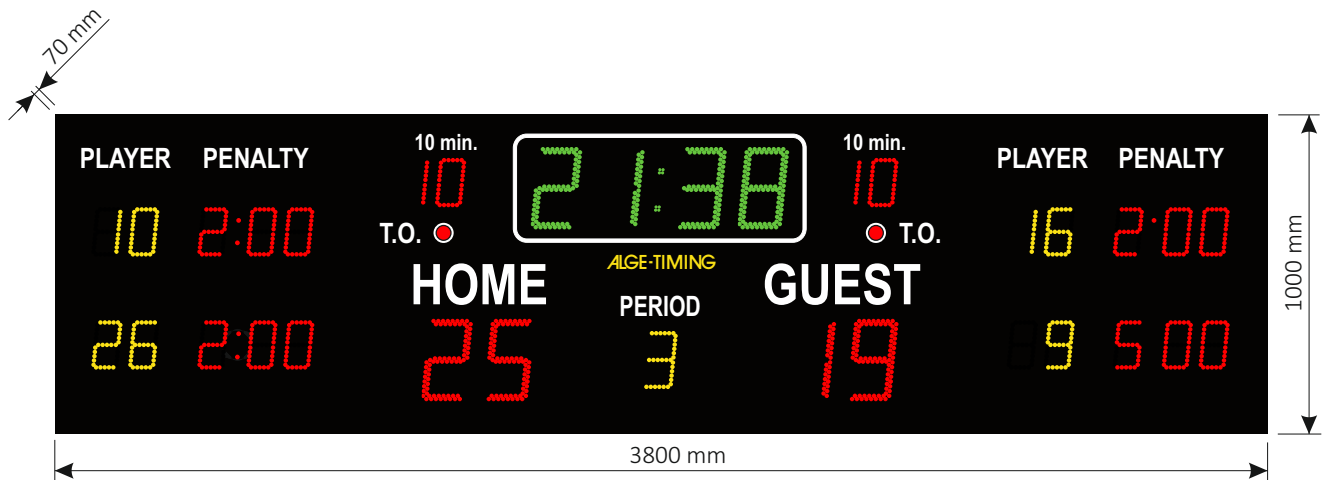
### Ice Hockey Scoreboard for Indoor (D-M5SH2H) and Outdoor (D-M5SH2H-O)

- the display board consists of one module
- digits (LED) in three colours: red, green and yellow, white captions
- running time in minutes and seconds (up/down, green 25 cm digits); shows 1/10 seconds during last minute
- daytime can be displayed on the game time field
- time can be displayed in the game time field
- score: 0 to 99 for each team (red 25 cm digits)
- period: 0 to 9 (yellow 18 cm digit)
- penalties: 2 x per team, 0 to 9:59 (red 15 cm digits)
- 10 minutes fouls: 0 to 19 for each team (red 15 cm digits)
- timeout: 1 LED cluster per team with 2 cm diameter
- horn
- power supply: 110/220 VAC- 50/60 Hz
- dimensions: 3,000 x 1,000 x 70 mm
- weight: 60 kg

**Controller:** D-CKN (standard) or D-CKN-WTN-A (option)

# ICE HOCKEY

## Scoreboard D-M4SH2H



### Ice Hockey Scoreboard for Indoor (D-M4SH2H) and Outdoor (D-M4SH2H-O)

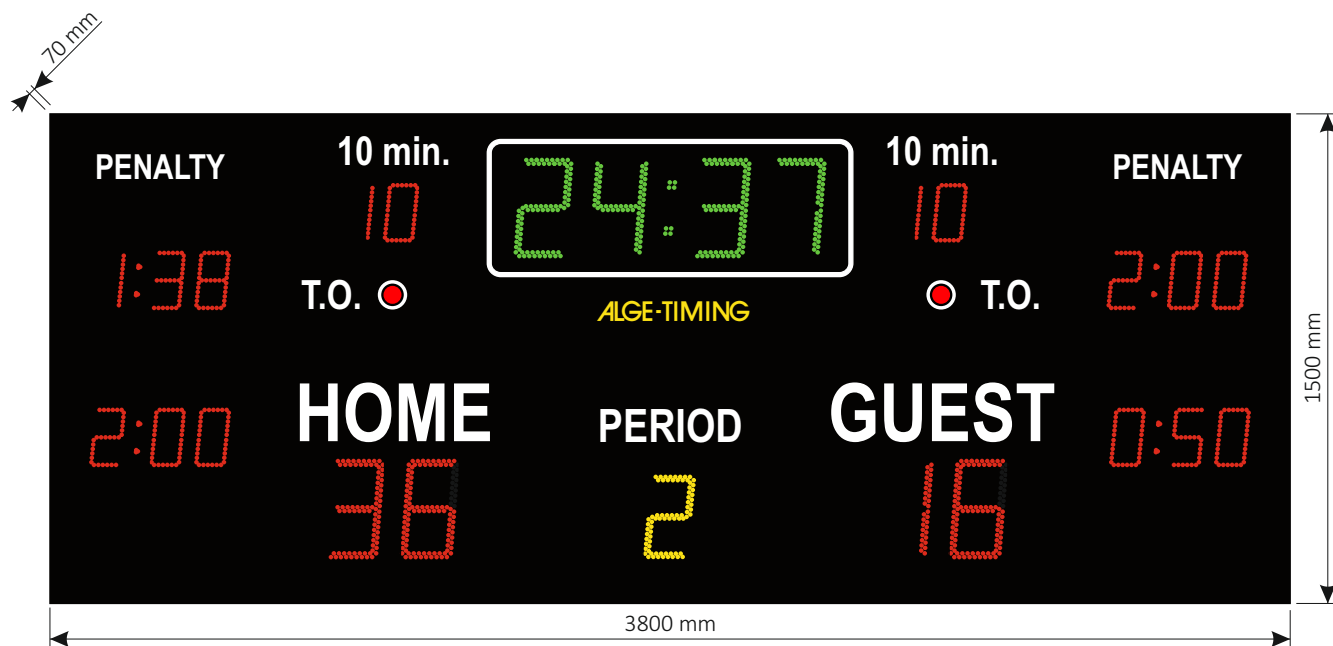
- three modules: middle section 2,000 x 1,000 mm, sides 2 x 900 x 1,000 mm
- digits (LED) in three colours: red, green and yellow, white captions
- running time in minutes and seconds (up/down, green 25 cm digits); shows 1/10 seconds during last minute
- daytime can be displayed on the game time field
- time can be displayed in the game time field
- score: 0 to 99 for each team (red 25 cm digits)
- period: 0 to 9 (yellow 18 cm digit)
- 10 minutes fouls: 0 to 19 for each team (red 15 cm digits)
- penalties: 2 x per team, 0 to 9:59 (red 15 cm digits)
- player number for penalty: 2 x per team, 0 to 99 (yellow 15 cm digits)
- timeout: 1 LED cluster per team with 2 cm diameter
- horn
- power supply: 110/220 VAC- 50/60 Hz
- dimensions: 3,800 x 1,000 x 70 mm
- weight: 75 kg

**Controller:** D-CKN (standard) or D-CKN-WTN-A (option)



# ICE HOCKEY

## Scoreboard D-L5SH2H



### Ice Hockey Scoreboard for Indoor (D-L5SH2H) and Outdoor (D-L5SH2H-O)

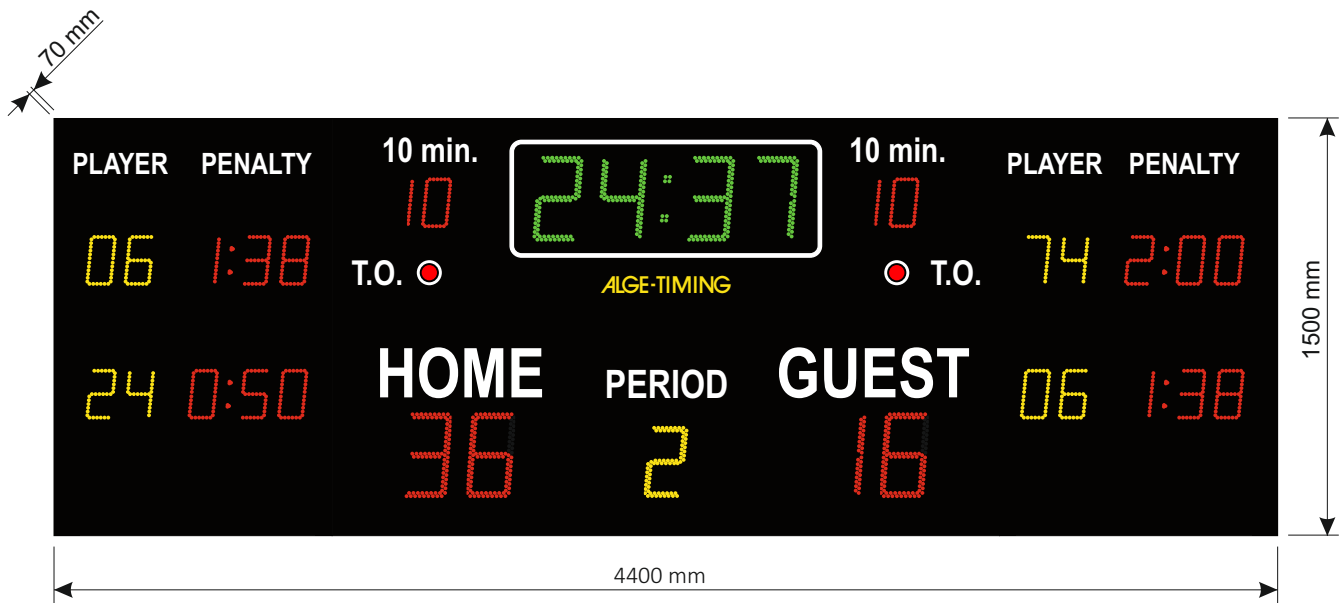
- three modules: middle section 2,400 x 1,500 mm, sides 2 x 900 x 1,500 mm
- digits (LED) in three colours: red, green and yellow, white captions
- running time in minutes and seconds (up/down, green 30 cm digits); shows 1/10 seconds during last minute
- daytime can be displayed on the game time field
- time can be displayed in the game time field
- score: 0 to 99 for each team (red 30 cm digits)
- period: 0 to 9 (yellow 25 cm digit)
- 10 minutes fouls: 0 to 19 for each team (red 18 cm digits)
- penalties: 2 x per team, 0 to 9:59 (red 18 cm digits)
- timeout: 1 LED cluster per team with 4 cm diameter
- horn
- power supply: 110/220 VAC- 50/60 Hz
- dimensions: 3,800 x 1,500 x 70 mm
- weight: 110 kg

**Controller:** D-CKN (standard) or D-CKN-WTN-A (option)



# ICE HOCKEY

## Scoreboard D-L4SH2H



### Ice Hockey Scoreboard for Indoor (D-L4SH2H) and Outdoor (D-L4SH2H-O)

- three modules: middle section 2,400 x 1,500 mm, sides 2 x 1,000 x 1,500 mm
- digits (LED) in three colours: red, green and yellow, white captions
- running time in minutes and seconds (up/down, green 30 cm digits); shows 1/10 seconds during last minute
- daytime can be displayed on the game time field
- time can be displayed in the game time field
- score: 0 to 99 for each team (red 30 cm digits)
- period: 0 to 9 (yellow 25 cm digit)
- 10 minutes fouls: 0 to 19 for each team (red 18 cm digits)
- penalties: 2 x per team, 0 to 9:59 (red 18 cm digits)
- player number for penalty: 2 x per team, 0 to 99 (yellow 18 cm digits)
- timeout: 1 LED cluster per team with 4 cm diameter
- horn
- power supply: 110/220 VAC- 50/60 Hz
- dimensions: 4,400 x 1,500 x 70 mm
- weight: 130 kg

**Controller:** D-CKN (standard) or D-CKN-WTN-A (option)



# ICE HOCKEY

## Hockey Goal Light D-HGL

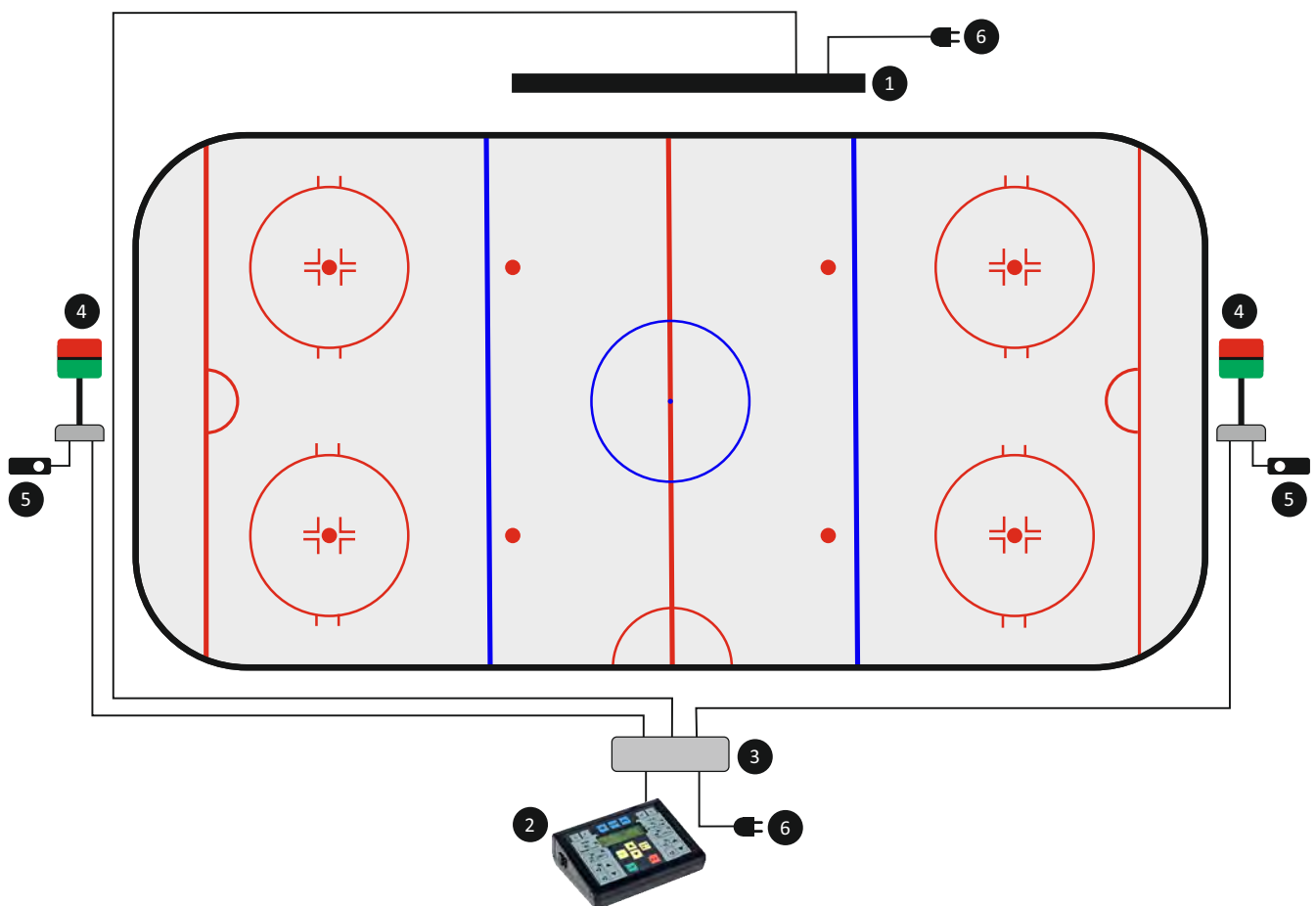
### Hockey Goal Light D-HGL

The goal light consists of a red and green light, which is installed behind each goal. A goal judge operates the goal light to indicate to the referee his decision.

Goal lights have to be used by the rules for international hockey games, but also many national leagues demand a goal light.



Sketch of the Setup for a Hockey Scoreboard with Goal Light:



- 1 Ice Hockey Scoreboard
- 2 Controller D-CKN
- 3 Connection Box
- 4 Goal Light D-HGL
- 5 Judge Console
- 6 Mains Power Supply

# ICE HOCKEY

## Notes



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